SERVICE MANUAL

HIGH-RESOLUTION DISPLAY MONITOR

TFW9105Series

MITSUBISHI ELECTRIC CORPORATION
Oct. 1996

CBB-S5614

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Revised

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1. Regulations

1.1 Geographical Region and Regulations

GEOGRAPHICAL REGION		REGULATIONS						
		SAFETY	EMC	X-RAY	ELF/VLF	Power Management	Ergonomics	Miscellaneous
NORTH AMERICA VERSION	TFW9105SKTK	UL/C-UL	FCC-B DOC-B EN61000-3-2	DHHS HWC	MPR-II TCO'91	Energy Star	TÜV-ERGO	TCO'92
EUROPE VERSION	TFW9105SKTKL	TÜV-GS	EN55022-B EN50082-1 EN61000-3-2	RöV	MPR-II TCO'91	NUTEK Energy Star	TÜV-ERGO	TCO'92 CE Marking

UL : UL1950 2nd Edition
C-UL : CAN/CSA-C22.2 NO.950 1'st Edition
TÜV-GS : EN60950 : 1992 & AD1/AD2 & ZH1/618
FCC : 47 CFR Part15 Subpart B, Class B
DOC : Interference-Causing Equipment Standard ICES-003 Issue 2, Class B
DHHS : 21CFR Chapter I Subchapter J
HWC : Radiation Emitting Devices Regulations Chapter 1370
RöV : RöV Vom 8.1. 1987
MPR-II : MPR 1990:8
TUV-ERGO : ISO9241-3 & MPR-II
TCO'92 : EN 60950 : 1992 & AD1/AD2, TCO'91 & NUTEK Spec. 803299/94
NUTEK : NUTEK Spec. 803299/94
CE-Marking : EN60950:1992 & AD1/AD2
EN55022:1994 Class B
EN50082-1:1992
EN61000-3-2:1995
Energy Star : International Energy Star Program

Enegy Star Office Equipment Program
----> Energy Star Program 96-5-21

German character changeed
96-5-21

2. CRT Specifications

X12 ---> X31
Add aperture Grille
Grille trio ---> Grille
96.6.25

CRT model no.	M50LJG39X31
Type	Diamondtron (Aperture Grille)
Size	55cm / 50cm Diagonal Viewable Image. (21" /19.7" Diagonal Viewable Image)
Grille Spacing	0.28mm
Deflection Angle	90 degree
Phosphor Type	B22 (Medium short persistence)
Electron Gun Type	P-NX DBF
Face-plate Transmission	39% (Include Face-plate coating)
Face-plate	coating (Anti-reflection,Anti-glare and Anti-static)
Screen Phosphor Area	398.3 × 298.7 mm (min)
Face-plate Curvature	H: R=1170mm , V: R=40000mm
Phosphor Color Coordinate	R: X=0.62 Y=0.34 (typical) G: X=0.29 Y=0.60 B: X=0.15 Y=0.07

3.Electric Specifications

3.1 Deflections

Horizontal (*)	Scanning Frequency	30 - 95kHz
	Back Porch	≧1.2μ sec
	Blanking	≧2.5μ sec
	H-sync Width	≧0.9μ sec
Vertical	Scanning frequency	50 - 152Hz
	V-sync + V-back Porch	≧500μ sec
	V-sync Width	2H≦Vs≦10H

(*) add
96.6.25

(*) Full screen adjustment may not be available for the timing which Tdh / Th < 75%.
Tdh : Horizontal Display Time
Th : Horizontal Scanning Time

3.2 Signal Input

Video Input Signal	R.G.B analog
Sync. Input Signal	Composite sync with Green video (Sync on Green) External composite sync , Negative TTL External HD/VD separate sync , TTL (N or P)
Video Input Impedance	75Ω to ground
Sync. Input Impedance	D-SUB: 1KΩ to ground BNC: 1KΩ / 75Ω
Signal Level	Video signal : 0.7V / 1.0V p-p ±10% Sync on Green : 0.3V p-p ±10% Separate H/V-sync. : 2.5 - 5.0V p-p (BNC Input) TTL level (D-SUB Input)

3.3 Video Performance

Video Band Width	50Hz to 180MHz ± 3dB (typ.) at 30V p-p
Pulse Rise and Fall time	4.5 nsec. (typ.) 10 to 90% at 30V p-p

- The rise and fall time of the input video signal is 2.0nsec or less.
- The pulse rise or fall time is determined using the formula :

$$Ta = \sqrt{Tm^2 - (Ts^2 + Tp^2 + Tsc^2)}$$

Where : Ta = Amplifier rise / fall time
Tm = Measured rise / fall time
Ts = Input signal rise / fall time
Tp = Probe effect on rise / fall time = 2.2×Rl×Cp
Rl = Amplifier output resistance (ohm)
Cp = Total probe capacitance (F)
Tsc = Scope rise / fall time = 0.35 / Scope bandwidth (MHz)

3.4 Power Supply

Input Voltage	100 - 120 / 220 - 240 VAC ± 10%
Frequency	50/60Hz ±3Hz
Power Consumption	nominal 150W (1.8A @100V 0.8A@220V)
AC leakage current	≦3.5mA
Inrush current (cold start)	≦70A 0-p at 240VAC on cold starting

3.5 Power Saving

Mode	H-sync	V-sync	Video	Power Consumption	Recovery Time	LED Indicator
Normal	On	On	Active	<150W	—	On
Stand-By	Off	On	Blank	<130W	in an instant	0.5 sec Blink
Suspend	On	Off	Blank	<15W	3 sec	2 sec Blink
Off	Off	Off	Blank	<8W	12 sec	3 sec on / 1 sec off Blink

- Power saving function complies with the VESA DPMS (Display Power Management Signaling) standard, NUTEK and International Energy Star Program.

3.6 Degaussing

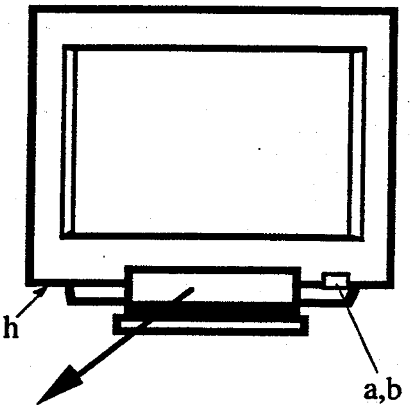
Auto Degaussing	The monitor have an automatic degaussing function which activates when the unit is turned on.
Manual Degaussing	This activates degaussing at the user's discretion after the unit is operating.

- The Monitor requires minimum 15 minutes after last degauss operation for full degauss capability.

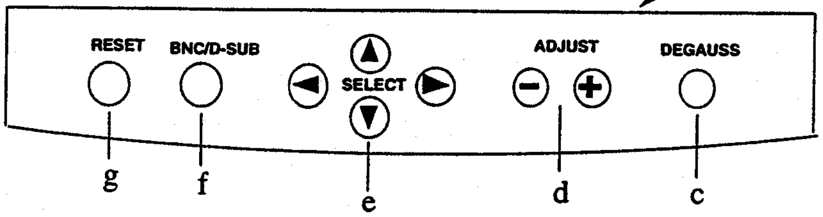
4. Functions

4.1 Front Controls

a : Power Switch
b : Power-on Indicator
c : Degauss Button
d : Adjust Buttons
e : Function Select Buttons
f : BNC/D-SUB Select Button
g : Reset Button
h : Contrast Control



Control Panel



4.2 OSD (On Screen Display) Functions

< Normal Mode >				default
1	CONTRAST		0 - 100%	100%
	BRIGHT		0 - 100%	adjusted
2	CONNECTOR		BNC/DSUB	D-SUB
	H-SIZE		0 - 100%	adjusted
	H-PHASE		0 - 100%	adjusted
	V-SIZE		0 - 100%	adjusted
	V-POSITION		0 - 100%	adjusted
	PCC-AMP		0 - 100%	adjusted
	PCC-PHASE		0 - 100%	adjusted
	PIN-BAL		0 - 100%	adjusted
	KEY-BAL		0 - 100%	adjusted
	ROTATION		0 - 100%	adjusted
	H-STATIC		0 - 100%	adjusted
3	COLOR-1	R-Gain	0 - 100%	adjusted
	(9300K)	G-Gain	0 - 100%	adjusted
	(default)	B-Gain	0 - 100%	adjusted
4	COLOR-2	R-Gain	0 - 100%	adjusted
	(6550K)	G-Gain	0 - 100%	adjusted
		B-Gain	0 - 100%	adjusted
5	COLOR-3	R-Gain	0 - 100%	adjusted
	(9300K)	G-Gain	0 - 100%	adjusted
		B-Gain	0 - 100%	adjusted
6	POWER-SAVE		off / on	on
	MOIRE-CLEAR		off / on	off
	MOIRE-CLEAR-LEVEL		0 - 100%	0%

< Enhanced Mode >			default
1	H-POSI	0 - 100%	adjusted
	CENTER-PCC	0 - 100%	adjusted
	CORNER-PCC	0 - 100%	adjusted
	BOTTOM-PCC	0 - 100%	adjusted
	TOP-BALANCE	0 - 100%	adjusted
	PCC-SINE	0 - 100%	adjusted
2	CLAMPPULSE POSITION	front / back	back
	PURITY	0 - 100%	adjusted
	VIDEO LEVEL	1.0V / 0.7V	0.7V

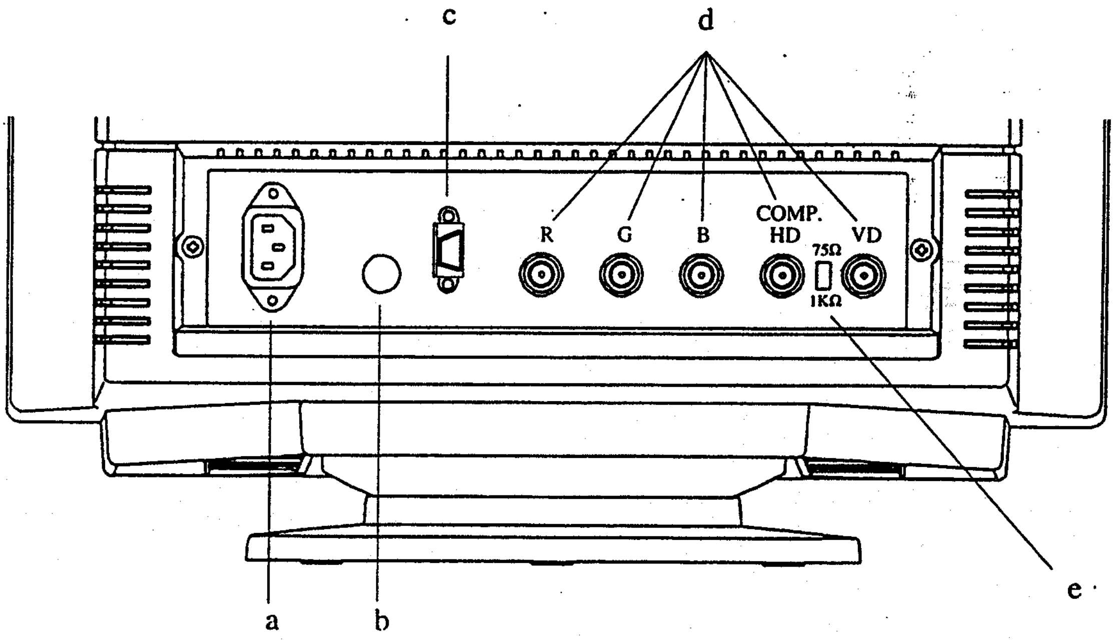
TOP-PHASE PCC-SIN
------> TOP-BALANCE PCC-SINE
Diag : Color Check ---> move to last
96.5.23
CONNECTOR 0-100% adjusted
----> BNC/DSUB D-SUB
COLOR-B ----> COLOR-3
96.6.25

< Help Mode >		
1	DIAGNOSIS	·Horizontal Frequency
		·Vertical Frequency
		·Preset Information
		·Color Check
2	OPERATION HELP	·OSD QUIT
		·CENTER POSITION

4.3 Back Panel

a : AC Power Connector (3P IEC Plug)
b : Serial Interface Connector (DIN-8P)
c : Signal Input Connector (DB9-15P)
d : Signal Input Connector (BNC)
for Red-video
Green-video or Composite sync with Green video
Blue-video
H-sync or Composite sync
V-sync
e : Sync Termination Switch for BNC input signal of H and V-sync.
(Default setting is 1KΩ.)

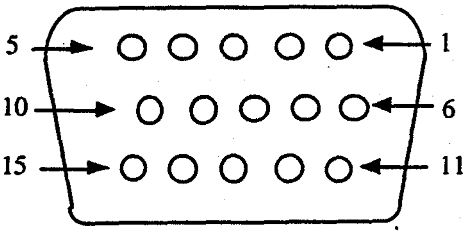
Add Sync Termination SW
96-5-25



4.4 Connector Pin Assignment

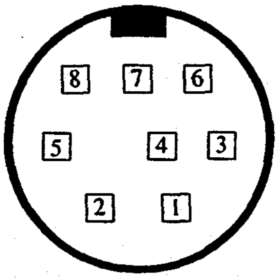
1) Signal Input Connector (DB9-15P)

Pin	Signal
1	Red-video
2	Green-video or Composite sync with Green video
3	Blue-video
4	Gnd
5	DDC Gnd
6	Red Gnd
7	Green Gnd
8	Blue Gnd
9	N.C.
10	Sync Gnd
11	Gnd
12	Serial data
13	H-sync or Composite sync
14	V-sync (V-clock)
15	Serial clock



2) Serial Interface Connector

Pin	Signal
1	DTR (Data Terminal Ready)
2	N.C.
3	TXD (Transmit Data)
4	Gnd
5	RXD (Receive Data)
6	Gnd
7	N.C.
8	N.C.



4.5 DDC (Display Data Channel) Functions
VESA DDC1 and DDC2B Compliance (EDID data only).

4.6 Preset Timing
Factory-preset : max 12
User-preset : max 12

Descliminate ----> Discriminate
distinction ----> distinguish
96-6-25

Timing Descliminate Conditions

Horizontal Frequency	≧1kHz
Vertical Frequency	≧5Hz
Sync Signal Polarity	H or V-sync signal polarity is different.

- The monitor can distinguish the input signals by at least one of above conditions.

5. Display Quality

5.1 Test Conditions

AC Voltage	120VAC 60Hz or 230VAC 50Hz
Video Signal	1600×1200 (93.75kHz, 75.0Hz) 0.7Vp-p
Warm Up	More than 30 min. with full white picture
Temperature	20 - 25 ℃
Relative Humidity	40 - 80%
Magnetic Field	BH=0, BV=0.040mT
Contrast & Brightness	Contrast maximum and Brightness detent position
Display Size	380×285mm for 4:3 aspect ratio
Ambient light	200 ±50 lx
Luminance Meter	Minolta CA100 or Equivalent

- Unless specified, the monitor is set at the factory default setting.

5.2 Display size

Display Size at 4:3 aspect ratio	Width: 380mm ± 5mm, Height: 285mm ± 5mm
Display Size at 5:4 aspect ratio	Width: 356mm ± 5mm, Height: 285mm ± 5mm

5.3 Luminance

Luminance	Full White: ≧100cd/m^2 (at 9300K + 8 M.P.C.D.)
Luminance Variation	△Luminance / Center Luminance: ≦25%
Back Raster Luminance	0.3±0.15cd/m^2 at Brightness detent position
	Raster must not visible at minimum Brightness control

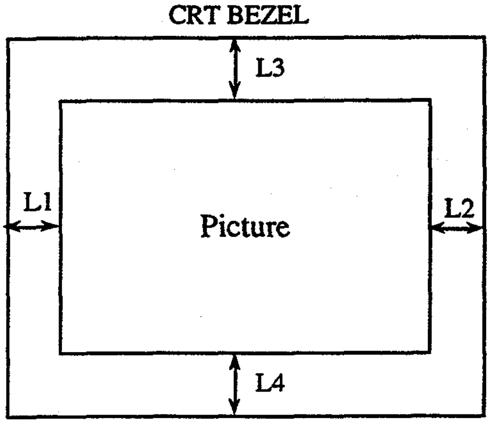
5.4 Color

Color Temperature	Color-1: 9300K+8 M.P.C.D. X=0.283 ± 0.020 Y=0.297 ± 0.020
	Color-2: 6550K+7 M.P.C.D. X=0.316 ± 0.020 Y=0.326 ± 0.020
	Color-3: 9300K+8 M.P.C.D. X=0.283 ± 0.020 Y=0.297 ± 0.020
White Uniformity	≦0.020: in either the X or Y shift between the center and peripheral area
Color Tracking	Video Input Level: 0.020 from 10cd/m^2 to Maximum
	Contrast Control: 0.020 from 25cd/m^2 to Maximum at detent Brightness position

5.5 Display Centering

Centering	| L1−L2 | ≦4mm, | L3−L4 | ≦4mm

- With Full-White applied.
- The active area is centered as follows for all factory preset timings in Appendix 1.


CRT BEZEL
L3
L1
Picture
L2
L4

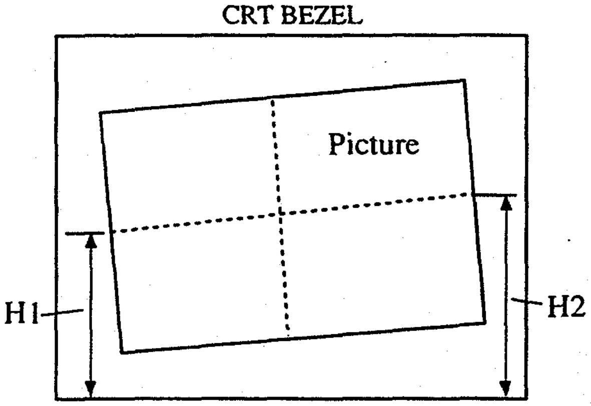
| L1−L2 | ≦4 mm

| L3−L4 | ≦4 mm

5.6 Rotation

Rotation	| H1−H 2 | ≦5 mm

- With Green-Crosshatch applied.
- The active display rotation is such that a horizontal line located at the center of the display is less than 5.0mm.

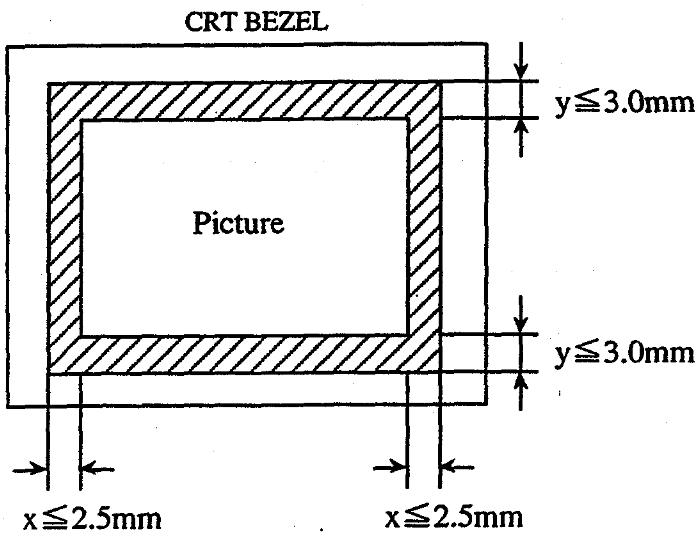

CRT BEZEL
Picture
H1
H2

| H1−H 2 | ≦5 mm

5.7 Other Distortion

Other Distortion Except rotation and centering	x : ≦2.5mm, y : ≦3.0mm

- With Green-Crosshatch applied.
- The other distortion is defined as the total of all image distortion excluding rotation and display centering.

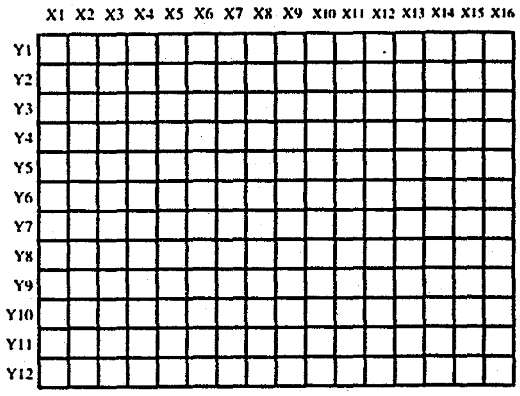

CRT BEZEL
y≦3.0mm
Picture
y≦3.0mm
x≦2.5mm
x≦2.5mm

5.8 Linearity

Linearity	H: ≦12%
	V: ≦12%

- With Green-Crosshatch (17 lines horizontally by 13 lines vertically) applied.
- Heights and widths of squares anywhere on the screen is less than 12%.
- The formula used to calculate linearity is:

$$\frac{\text{Xmax} - \text{Xmin}}{\text{Xmax}} \times 100\%$$

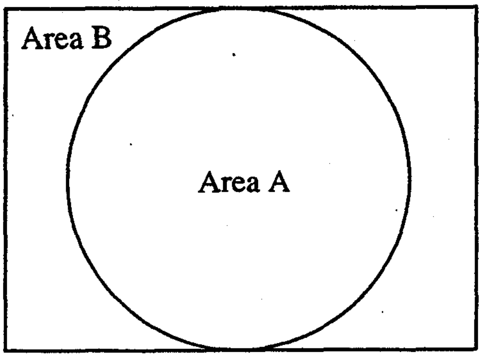

X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
Y9
Y10
Y11
Y12

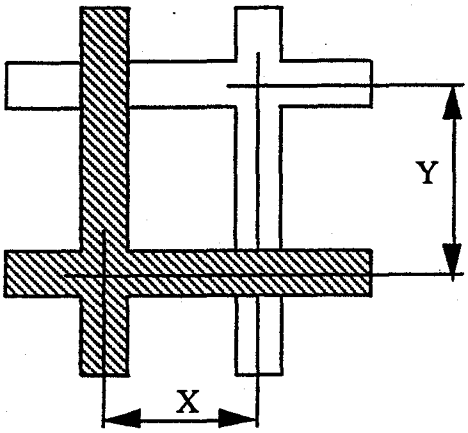
X1=X2=X3= ··· =X16
Y1=Y2=Y3= ··· =Y12

5.9 Misconvergence

Misconvergence	Area A: ≦0.3mm within the 285mm diameter circle
	Area B: ≦0.4mm within 380mm×285mm

- With White-Crosshatch applied.
- Zone A is a circular area with 285mm diameter at the center.
- Zone B is a rectangular area (380mm×285mm) outside of the zone A.
- Use worst case horizontal/vertical misconvergence between any two primary colors.





5.10 Raster Regulation

Rater Size Regulation	≦0.5% of the horizontal or vertical picture size

- The picture size change is less than adjusted value in either the horizontal or vertical direction over 30% to 100% luminance range and 90 - 132VAC or 198 - 264VAC Input respectively..

6. Mechanical Specifications

6.1 Cabinet , Tilt / Swivel Base

Molded material	Cabinet : ABS (Flame Class 5VA) Tilt /Swivel Base : ABS (Flame Class HB)
Cabinet color	Ivory-White (Mitsubishi Standard Color: B-N-C080)
Bezel Logo	See Fig. 1
Tilt & Swivel	Right & Left : −45° to +45° Up & Down : 10° to 5°
Dimension	500mm (W) × 490mm (H) × 488mm (D) 19.7" (W) × 19.3" (H) × 19.2" (D) (include Tilt /Swivel Base : See Fig. 1)

6.2 Rating Label

NORTH AMERICA Version : See Fig. 2
EUROPE Version : See Fig. 2

6.3 Carton Box

Paper Material	Kraftliner and trifaced corrugated board (Double wall)
Carton Box Print	NORTH AMERICA Version : See Fig. 4 EUROPE Version : See Fig. 5
Dimension	See Fig. 3
Packing Contents	See Fig. 6

6.4 Weight

Net	35kg
Gross	39kg

Add Fig. No.
96-5-25
Net Gross TBD
----> 35kg 39kg
96.6.25

6.5 Accessories

AC Power Cord	NORTH AMERICA Version : See Fig. 4 EUROPE Version : See Fig. 5
Signal Cable	SC-B102 (D-SUB /D-SUB type : See Fig.9)
Macintosh-Adaptor	AD-A205 (for Macintosh : See Fig.10)
User's Guide	NORTH AMERICA version : English EUROPE version : 4 Languages (English, German, French, Italian)

7. Environmental Conditions

7.1 Temperature, Relative Humidity & Altitude

	Operating	Storage and shipment
Temperature	5 - 35℃	−20 - 60℃
Relative Humidity	10 - 90% without condensation	10 - 95% without condensation
Altitude	3000m (10000ft)	15000m (50000ft)

16000 ----> 15000
96.5.23

7.2 Vibration Test (with carton box)

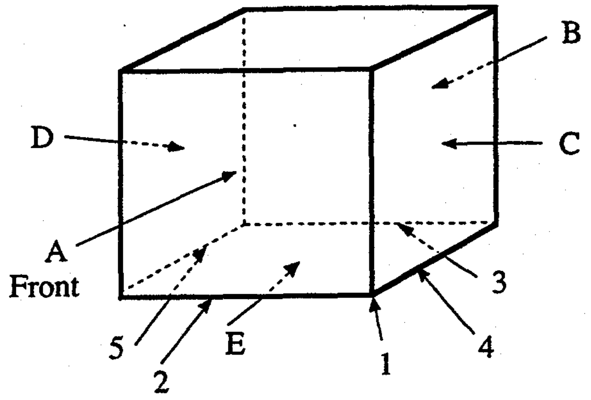
1) Swept Sine (Resonances Search and Dwell)

Test Axis	3 axis
Search Frequency	5 - 200Hz
Sweep Time	2 minutes
Acceleration	0.5G (zero to peak)
Dwelling Time	5 minutes for each resonant point of each 3 axis
Mounting	fixed firmly on the vibration table

2) Random Vibration

Test Axis	3 axis
Search Frequency	5 - 200Hz
Acceleration	0 - 1.47Grms
Dwelling Time	30 minutes × 3 axis
Mounting	fixed firmly on the vibration table

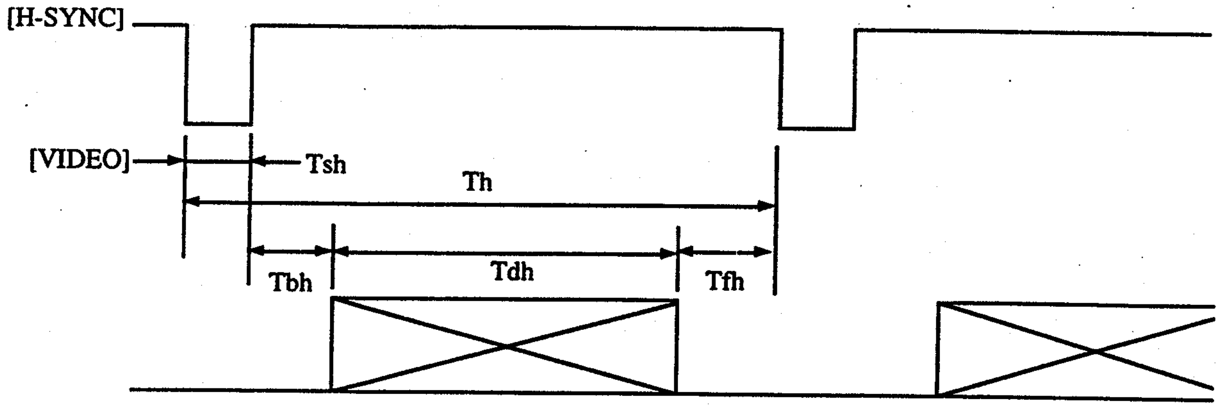
7.3 Drop Test (with carton box)

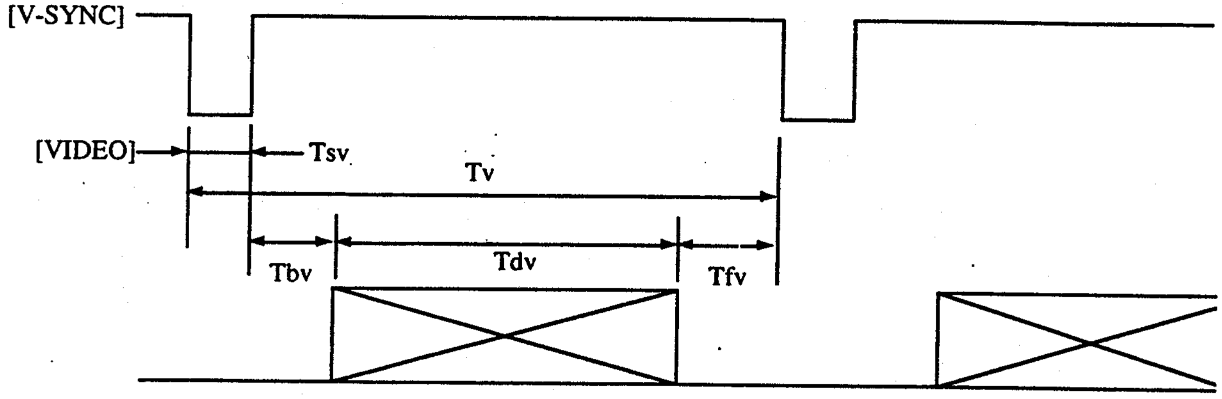


The inside unit shall be withstand without any damage by following procedure.
Drop to the hard wooden board from the position of the following heights.

	Position	Height
Corner	1	46cm (18 inch)
Edge	2, 3, 4, 5	46cm (18 inch)
Surface	A, B, C, D, E	46cm (18 inch)

Appendix 1 Preset Timing Chart





	Th (μSEC	Tsh (μSEC	Tfh (μSEC	Tbh (μSEC	Tdh (μSEC	Tv (mSEC)	Tsv (mSEC)	Tfv (mSEC)	Tbv (mSEC)	Tdv (mSEC	Hs	Vs	Fh (kHz)	Fv (Hz)	Remarks
User	31.778	3.813	0.636	1.907	25.422	14.268	0.064	0.382	1.111	12.711	−	+	31.470	70.090	640*400
Factory	26.667	2.032	0.508	3.810	20.317	13.333	0.080	0.027	0.426	12.800	−	−	37.500	75.000	VESA 640x480
Factory	21.333	1.616	0.323	3.232	16.162	13.333	0.064	0.021	0.448	12.800	+	+	46.875	75.000	VESA 800x600
User	20.115	1.118	0.559	3.910	14.528	13.417	0.060	0.020	0.785	12.552	−	−	49.700	74.500	APPLE 16（832x624）
Factory	16.661	1.219	0.203	2.235	13.004	13.328	0.050	0.017	0.466	12.795	+	+	60.023	75.029	VESA 1024x768
Factory	14.560	1.280	0.320	1.440	11.520	13.322	0.044	0.043	0.568	12.667	−	−	68.700	75.100	APPLE 21（1152x870）
Factory	12.504	1.067	0.119	1.837	9.481	13.329	0.038	0.013	0.475	12.804	+	+	79.976	75.025	VESA 1280x1024
Factory	10.667	0.948	0.316	1.501	7.901	13.333	0.032	0.011	0.491	12.800	+	+	93.750	75.000	VESA 1600x1200

Appendix 2 EDID DATA (1/2)

< EDID DATA DUMP HEX >

```
00 FF FF FF FF FF FF 00
34 AC E0 40 *  *  *  *
W  Y  01 00 0E 26 1C 69
E8 04 88 A0 57 4A 9B 26
12 48 4C A4 67 80 01 01
01 01 01 01 01 01 01 01
01 01 01 01 01 01 1A 4F
40 30 62 B0 32 40 40 C0
13 00 7C 1D 11 00 00 1E
86 3D 00 C0 51 00 30 40
30 A0 13 00 64 1D 11 00
00 1A 02 3A 00 C0 51 C0
33 30 30 A0 13 00 7C 1D
11 00 00 1A EA 24 00 60
41 00 28 30 30 60 13 00
7C 1D 11 00 00 1A 00 S
```

< EDID DATA DUMP TEXT >

```
Vendor Name: MEL
Product Code LSB (HEX): e0
Product Code MSB (HEX): 40
Microsoft INF ID: MEL40E0
Serial Number: 0  HEX: 0
Week of Manuf: W
Year of Manuf: Y

EDID Version: 1
EDID Revision: 0
Extension Flag: 0

Input Singal: ANALOG
Setup: NO
Sync on Green: YES
Composite Sync: YES
Separate Sync: YES
V Sync Serration: NO
V Signal Level: 0.700V/0.300V (1V p-p)

Max Image Size H (cm): 38
Max Image Size V (cm): 28
DPMS Stand By: YES
DPMS Suspend: YES
DPMS Active Off: YES
Display Type: RGB Color

Gamma: 2.05
Red X: 0.625
Red Y: 0.340
Green X: 0.290
Green Y: 0.605
Blue X: 0.150
Blue Y: 0.070
White X: 0.283
White Y: 0.297

Established Timings:
640x400@70
640x480@60
640x480@75
800x600@75
832x624@75
1024x768@70
1024x768@75
1152x870@75
1280x1024@75
```

Appendix 2 EDID DATA (2/2)

Standard Timing #1:
NOT USED

Standard Timing #2:
NOT USED

Standard Timing #3:
NOT USED

Standard Timing #4:
NOT USED

Standard Timing #5:
NOT USED

Standard Timing #6:
NOT USED

Standard Timing #7:
NOT USED

Standard Timing #8:
NOT USED

Detailed Timing #1:
Pixel Clock: 202.50
Horizontal Active: 1600
Horizontal Blanking: 560
Vertical Active: 1200
Vertical Blanking: 50
Horizontal Sync Offset: 64
Horizontal Sync Width: 192
Vertical Sync Offset: 1
Vertical Sync Width: 3
Horizontal Border: 0
Vertical Border: 0
Horizontal Image Size: 380
Vertical Image Size: 285
Interlaced: NO
Image: Normal Display
Sync: Digital Separate
Bit 1: ON
Bit 2: ON

Detailed Timing #2:
Pixel Clock: 157.50
Horizontal Active: 1280
Horizontal Blanking: 448
Vertical Active: 1024
Vertical Blanking: 48
Horizontal Sync Offset: 48
Horizontal Sync Width: 160
Vertical Sync Offset: 1
Vertical Sync Width: 3
Horizontal Border: 0
Vertical Border: 0
Horizontal Image Size: 356
Vertical Image Size: 285
Interlaced: NO
Image: Normal Display
Sync: Digital Separate
Bit 1: ON
Bit 2: OFF

Detailed Timing #3:
Pixel Clock: 148.50
Horizontal Active: 1280
Horizontal Blanking: 448
Vertical Active: 960
Vertical Blanking: 51
Horizontal Sync Offset: 48
Horizontal Sync Width: 160
Vertical Sync Offset: 1
Vertical Sync Width: 3
Horizontal Border: 0
Vertical Border: 0
Horizontal Image Size: 380
Vertical Image Size: 285
Interlaced: NO
Image: Normal Display
Sync: Digital Separate
Bit 1: ON
Bit 2: OFF

Detailed Timing #4:
Pixel Clock: 94.50
Horizontal Active: 1024
Horizontal Blanking: 352
Vertical Active: 768
Vertical Blanking: 40
Horizontal Sync Offset: 48
Horizontal Sync Width: 96
Vertical Sync Offset: 1
Vertical Sync Width: 3
Horizontal Border: 0
Vertical Border: 0
Horizontal Image Size: 380
Vertical Image Size: 285
Interlaced: NO
Image: Normal Display
Sync: Digital Separate
Bit 1: ON
Bit 2: OFF

- CABINET COLOR : IVORY WHITE
  (COLOR No. : B-N-C080)
- TILT / SWIVEL BASE
  Swivel Angle : +45° ~ −45°
  Tilt Angle : +10° ~ −5°
- WEIGHT : APPROX 35.0Kg

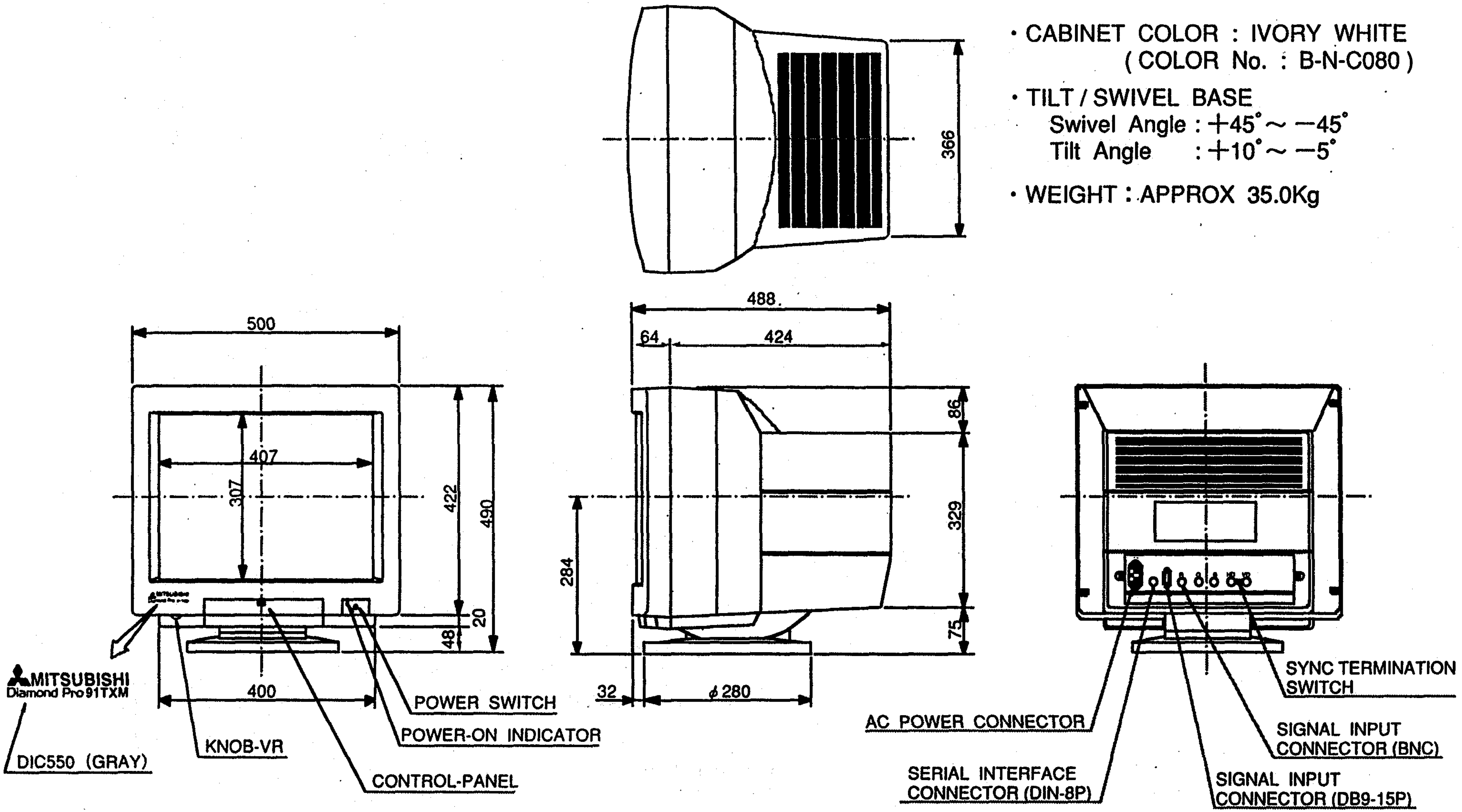
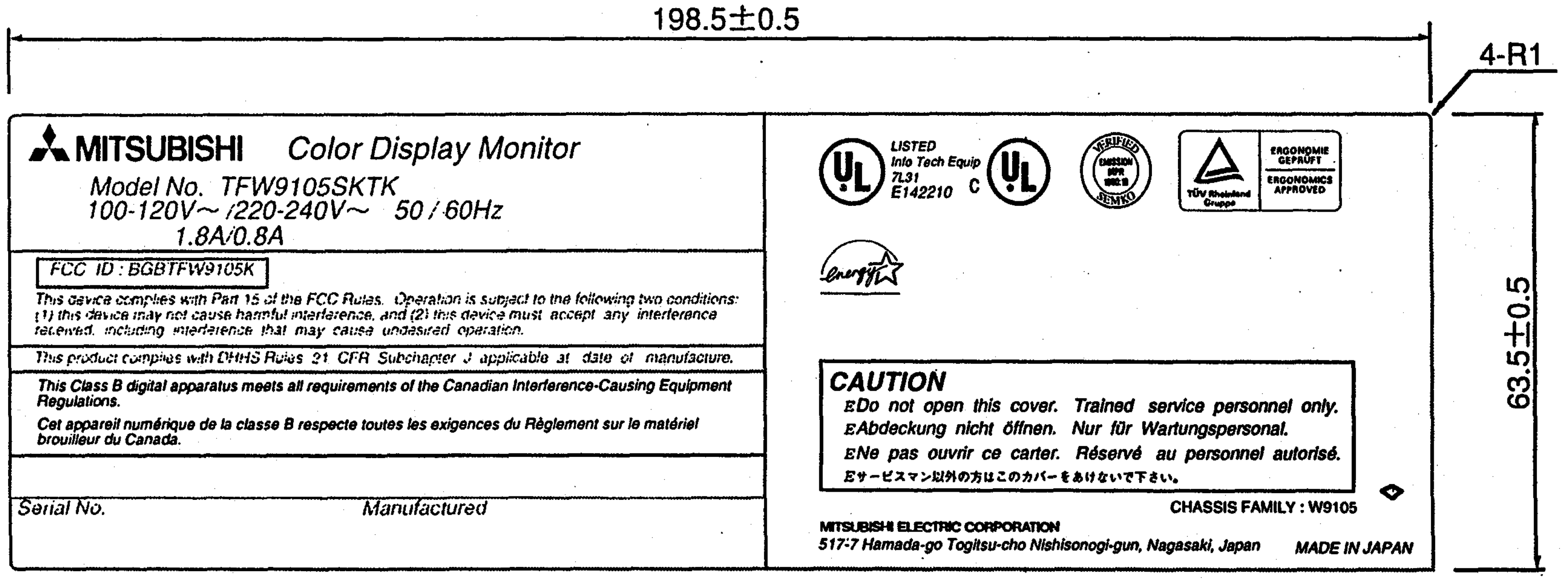

366
488.
64
424
86
329
75
284
32
ϕ280
500
407
307
422
490
20
48
400
MITSUBISHI Diamond Pro 91TXM
DIC550 (GRAY)
KNOB-VR
CONTROL-PANEL
POWER SWITCH
POWER-ON INDICATOR
AC POWER CONNECTOR
SERIAL INTERFACE CONNECTOR (DIN-8P)
SYNC TERMINATION SWITCH
SIGNAL INPUT CONNECTOR (BNC)
SIGNAL INPUT CONNECTOR (DB9-15P)

Fig. 1 OUTLINE



MITSUBISHI Color Display Monitor
Model No. TFW9105SKTK
100-120V~ /220-240V~ 50 / 60Hz
1.8A/0.8A

FCC ID : BGBTFW9105K

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product complies with DHHS Rules 21 CFR Subchapter J applicable at date of manufacture.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

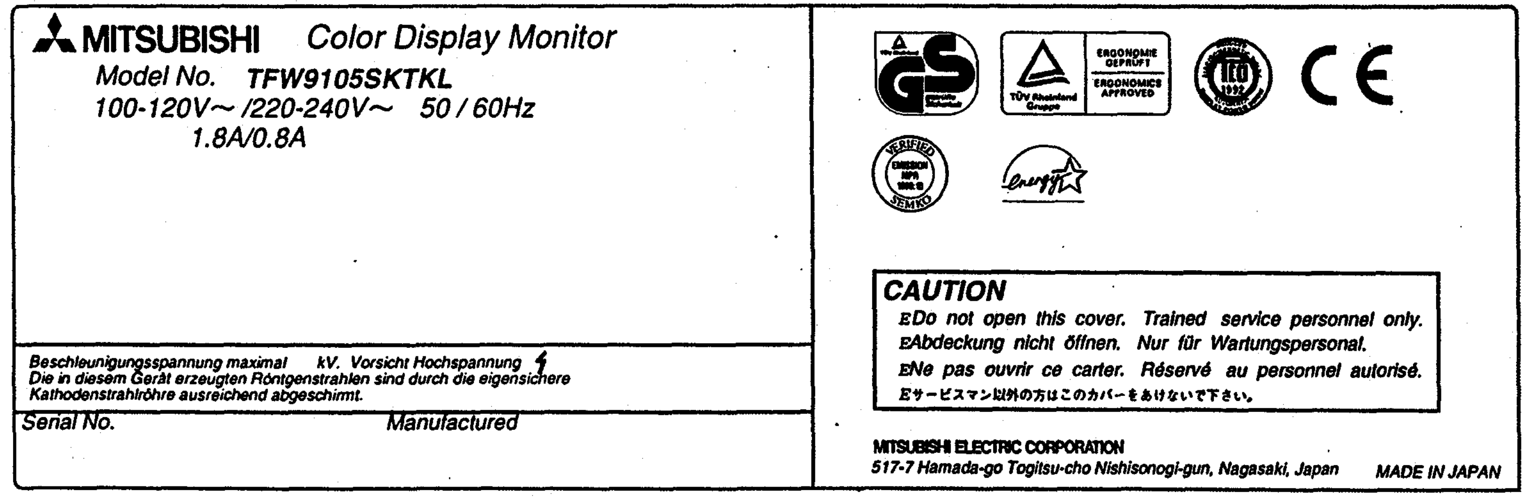
Serial No. Manufactured

CAUTION
EDo not open this cover. Trained service personnel only.
EAbdeckung nicht öffnen. Nur für Wartungspersonal.
ENe pas ouvrir ce carter. Réservé au personnel autorisé.
Eサービスマン以外の方はこのカバーをあけないで下さい。

CHASSIS FAMILY : W9105

MITSUBISHI ELECTRIC CORPORATION
517-7 Hamada-go Togitsu-cho Nishisonogi-gun, Nagasaki, Japan MADE IN JAPAN

NORTH AMERICA VRSION



MITSUBISHI Color Display Monitor
Model No. TFW9105SKTKL
100-120V~ /220-240V~ 50 / 60Hz
1.8A/0.8A

Beschleunigungsspannung maximal kV. Vorsicht Hochspannung
Die in diesem Gerät erzeugten Röntgenstrahlen sind durch die eigensichere Kathodenstrahlröhre ausreichend abgeschirmt.

Serial No. Manufactured

CAUTION
EDo not open this cover. Trained service personnel only.
EAbdeckung nicht öffnen. Nur für Wartungspersonal.
ENe pas ouvrir ce carter. Réservé au personnel autorisé.
Eサービスマン以外の方はこのカバーをあけないで下さい。

MITSUBISHI ELECTRIC CORPORATION
517-7 Hamada-go Togitsu-cho Nishisonogi-gun, Nagasaki, Japan MADE IN JAPAN

EUROPE VRSION

Fig. 2 RATING LABEL

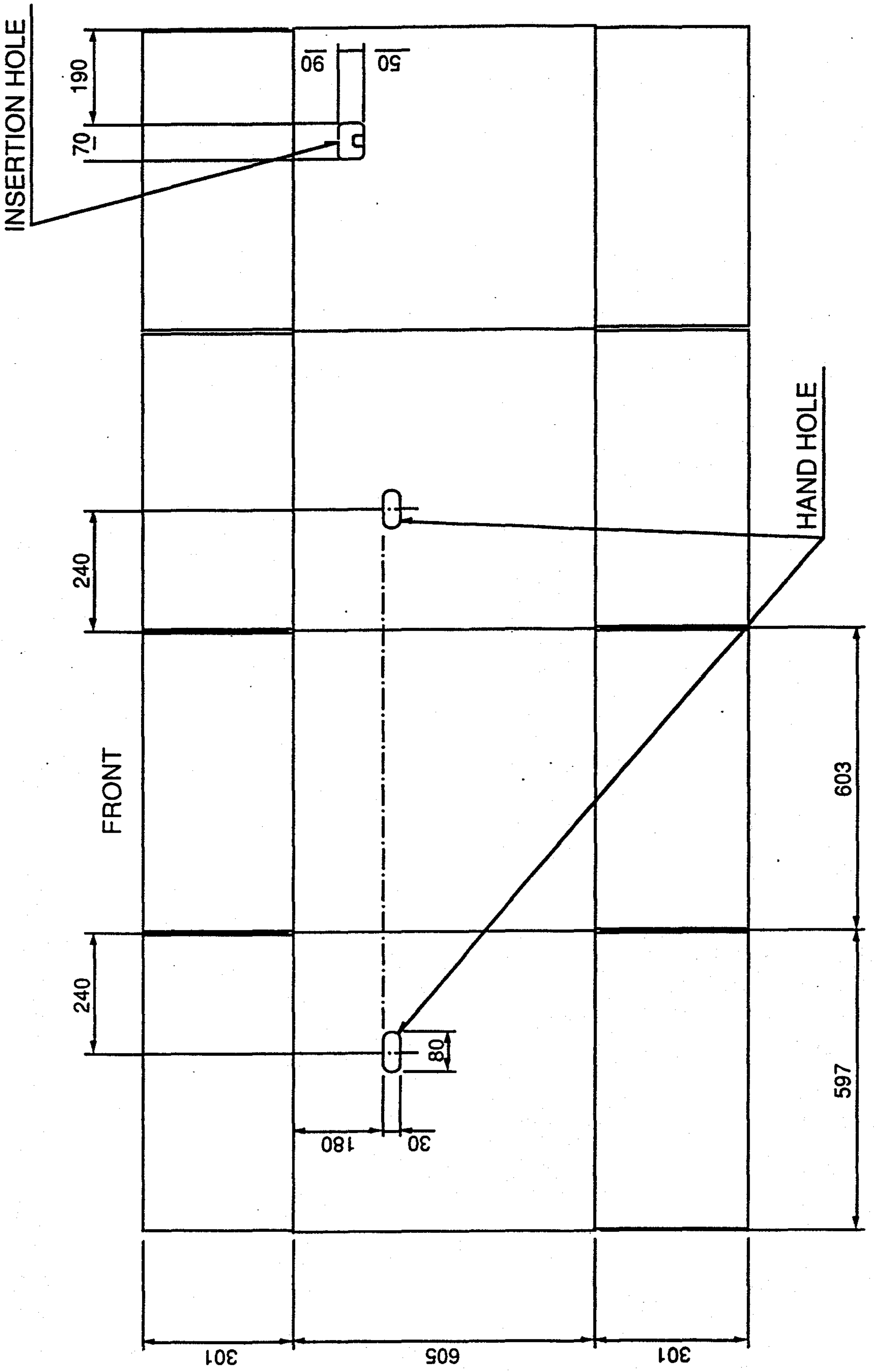
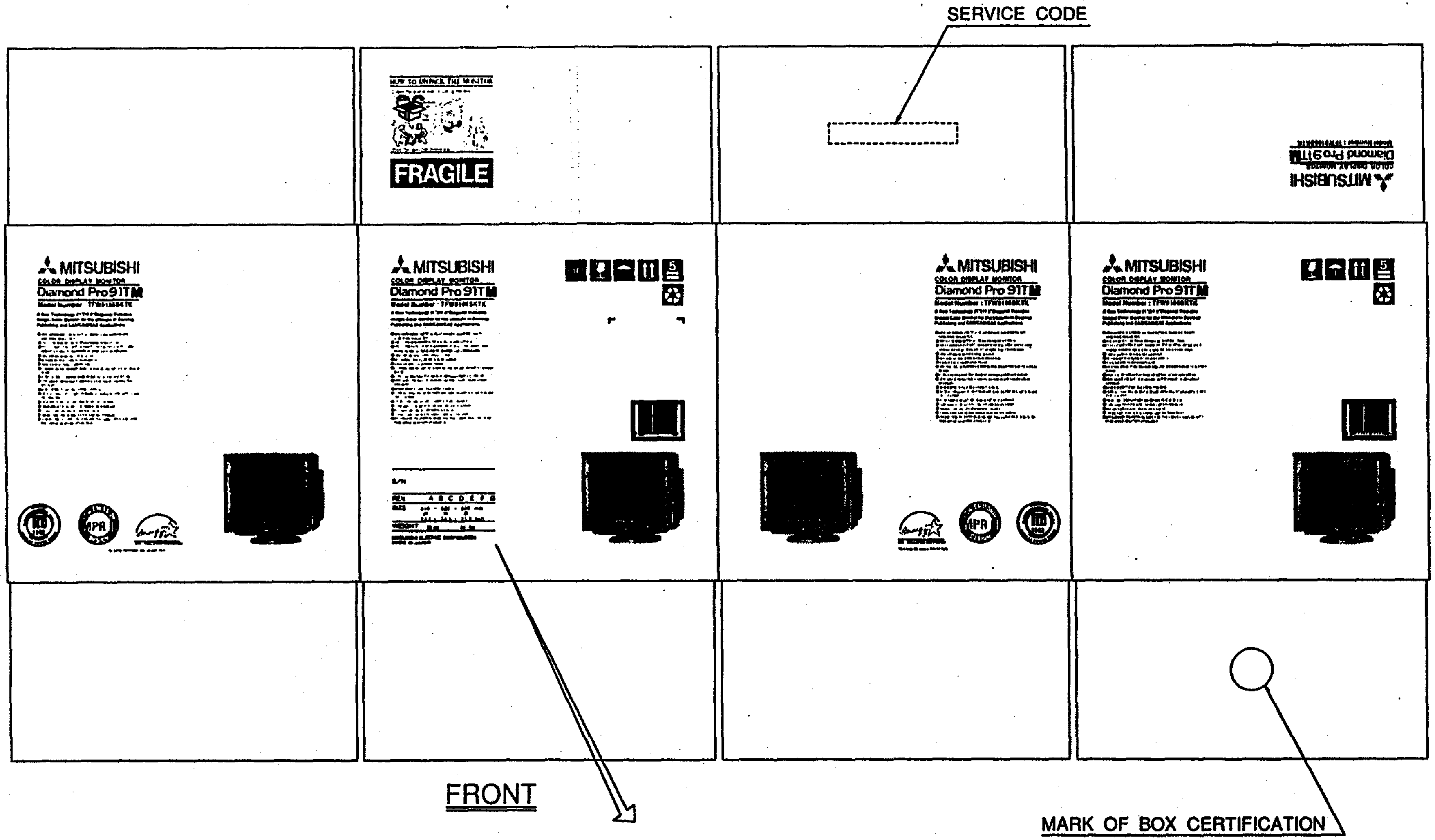

INSERTION HOLE
190
70
90
50
HAND HOLE
240
240
FRONT
80
180
30
603
597
301
605
301

Fig. 3 CARTON BOX


SERVICE CODE
FRAGILE
MITSUBISHI
COLOR DISPLAY MONITOR
Diamond Pro 91TM
MPR
FRONT
MARK OF BOX CERTIFICATION

S/N

REV. A B C D E F G

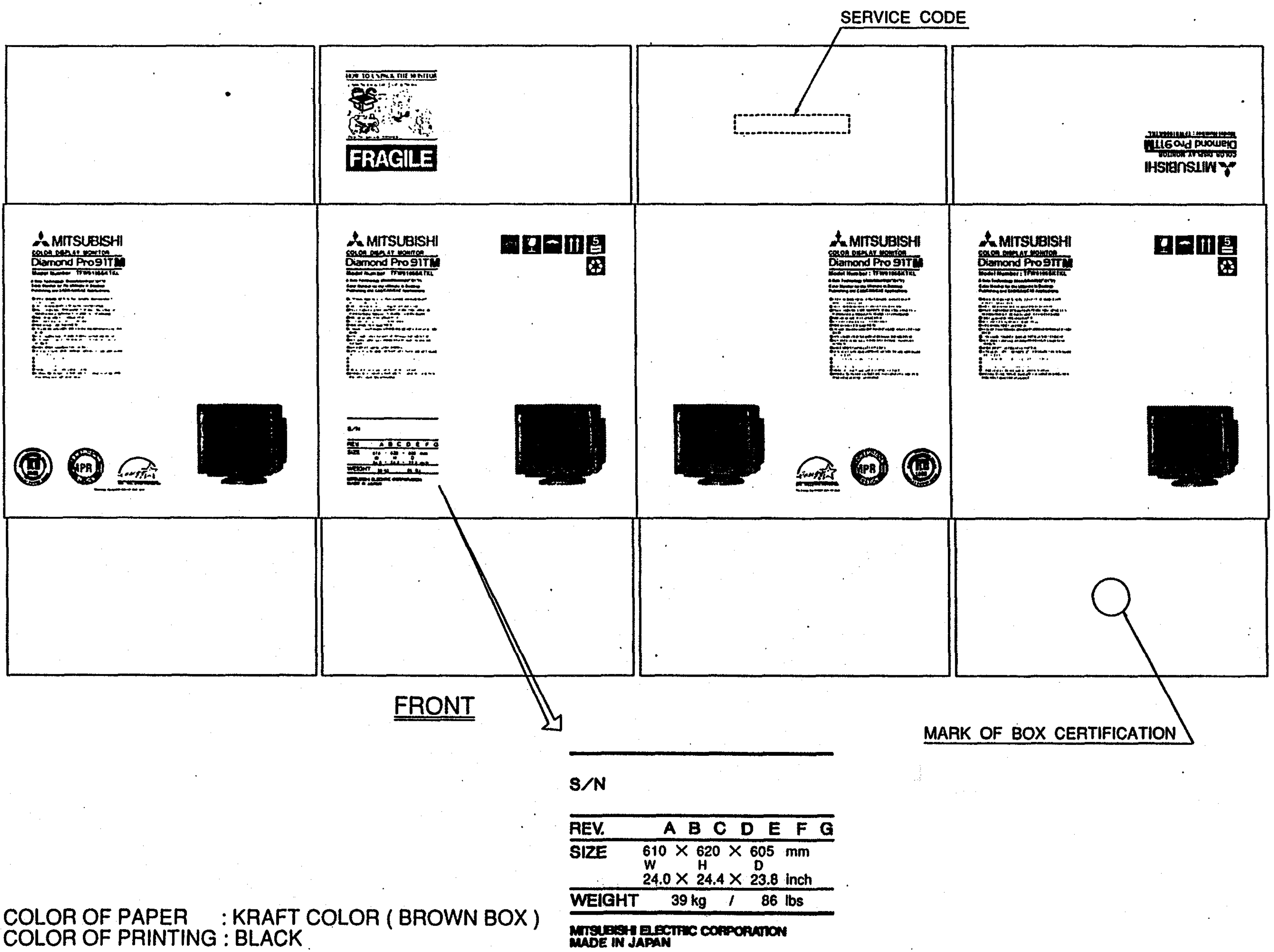
SIZE 610 × 620 × 605 mm
W H D
24.0 × 24.4 × 23.8 inch

WEIGHT 39 kg / 86 lbs

MITSUBISHI ELECTRIC CORPORATION
MADE IN JAPAN

- ·COLOR OF PAPER : KRAFT COLOR (BROWN BOX)
- ·COLOR OF PRINTING : BLACK

Fig. 4 PRINTING SPECIFICATION OF CARTON BOX (NORTH AMERICA VERSION)


SERVICE CODE
FRAGILE
MITSUBISHI
Diamond Pro 91TM
FRONT
MARK OF BOX CERTIFICATION
S/N
REV. A B C D E F G
SIZE 610 × 620 × 605 mm
W H D
24.0 × 24.4 × 23.8 inch
WEIGHT 39 kg / 86 lbs
MITSUBISHI ELECTRIC CORPORATION
MADE IN JAPAN

- COLOR OF PAPER : KRAFT COLOR (BROWN BOX)
- COLOR OF PRINTING : BLACK

Fig. 5 PRINTING SPECIFICATION OF CARTON BOX (EUROPE VERSION)

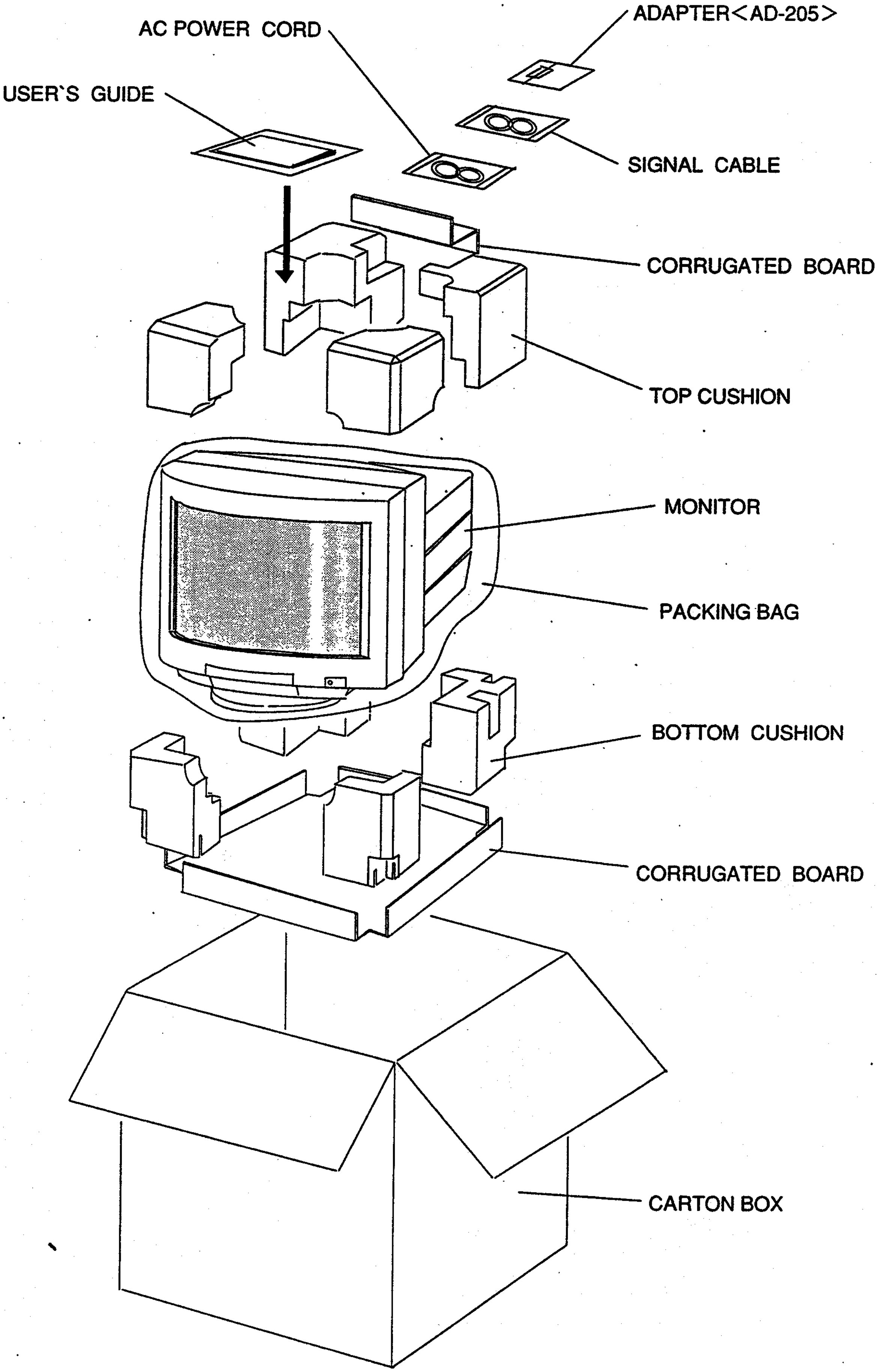
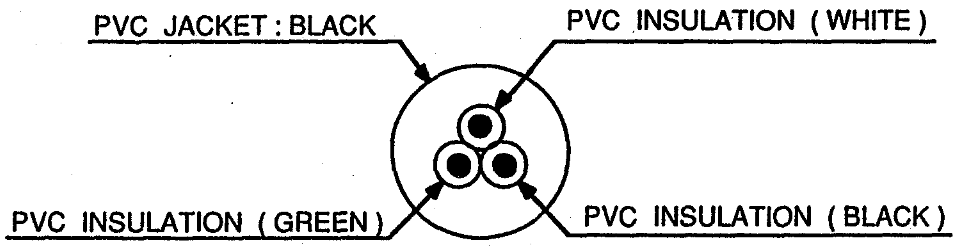

ADAPTER<AD-205>
AC POWER CORD
USER`S GUIDE
SIGNAL CABLE
CORRUGATED BOARD
TOP CUSHION
MONITOR
PACKING BAG
BOTTOM CUSHION
CORRUGATED BOARD
CARTON BOX

Fig 6. PACKING STYLE

【SPECIFICATION】

1. CABLE : Cross - section Area···AWG18×3C
2. JACKET : PVC
3. ABILITY
   - (1) VOLTAGE : AC 125V
   - (2) AMPERAGE : AC 7A
   - (3) TEMPERATURE : 60℃
4. REGULATORY APPROVALS : UL, CSA


PVC JACKET : BLACK
PVC INSULATION (WHITE)
PVC INSULATION (GREEN)
PVC INSULATION (BLACK)

CONSTRUCTION

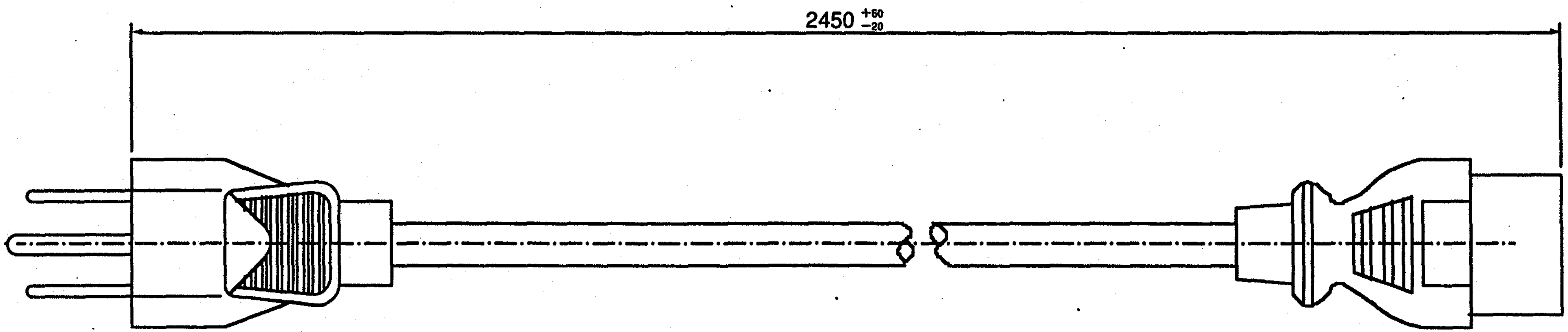
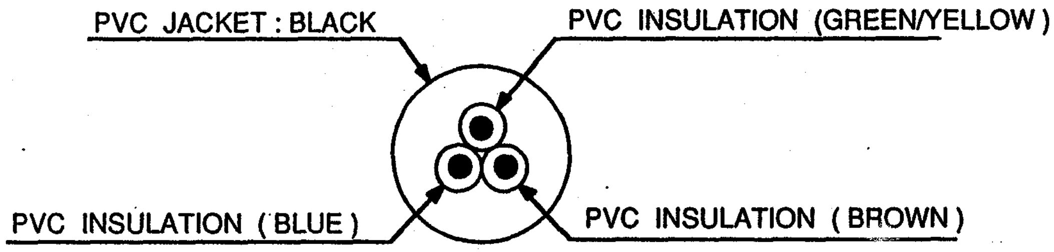


Fig 7. AC POWER CORD (NORTH AMERICA VERSION)

【SPECIFICATION】

1. CABLE : Cross - section Area···AWG18×3C
2. JACKET : PVC
3. ABILITY
   (1) VOLTAGE : AC 250V
   (2) AMPERAGE : AC 10A
   (3) TEMPERATURE : 60℃
4. REGULATORY APPROVALS : CEBEC,KEMA,S,N,OVE,
   FI,D, NF-USE,VDE


PVC JACKET : BLACK
PVC INSULATION (GREEN/YELLOW)
PVC INSULATION (BLUE)
PVC INSULATION (BROWN)

CONSTRUCTION

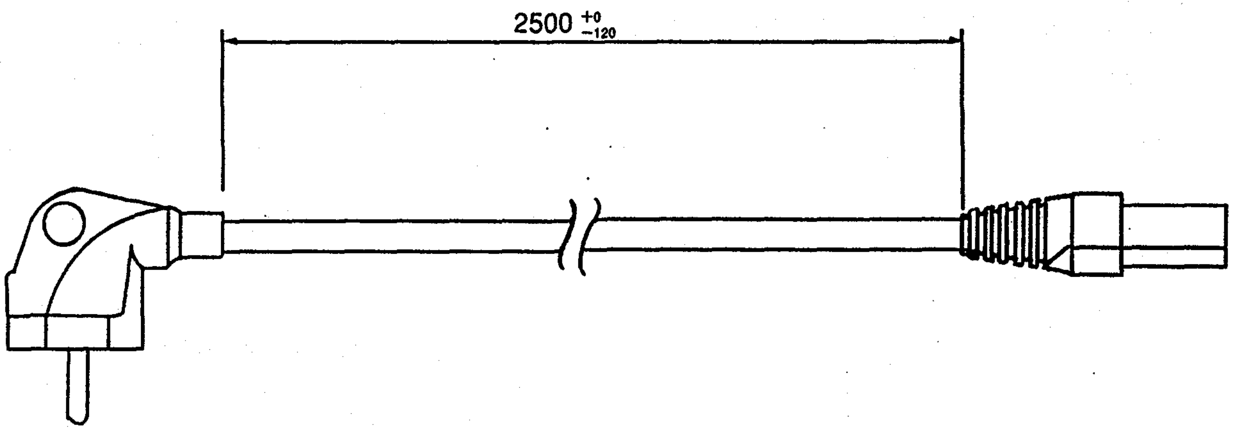
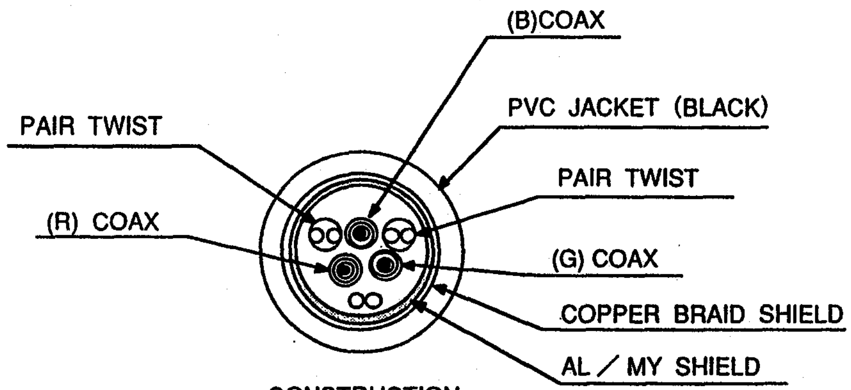
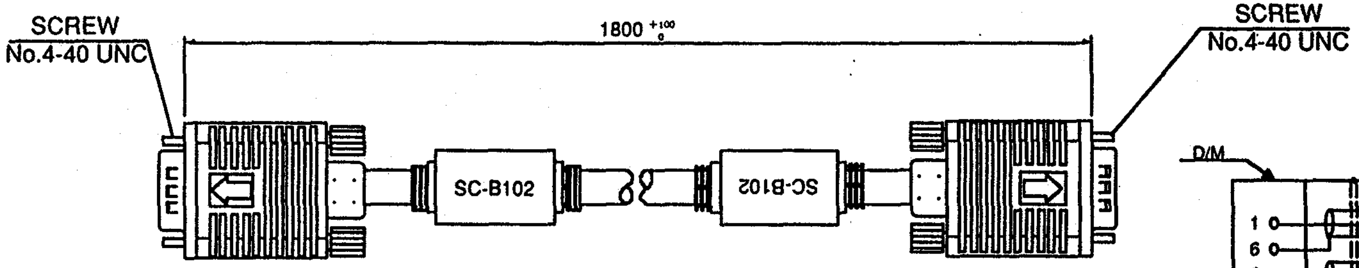


Fig. 8 AC POWER CORD (EUROPE VERSION)

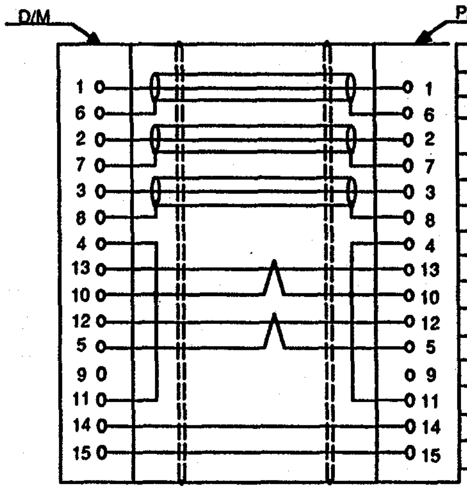
【SPECIFICATION】
1. JACKET : PVC
2. ABILITY
   (1) VOLTAGE : 30V
   (2) TEMPERATURE : 60℃


(B)COAX
PVC JACKET (BLACK)
PAIR TWIST
PAIR TWIST
(R) COAX
(G) COAX
COPPER BRAID SHIELD
AL / MY SHIELD

CONSTRUCTION


SCREW
No.4-40 UNC
1800 $^{+100}_{0}$
SC-B102
SC-B102
SCREW
No.4-40 UNC

WIRING LIST



D/M	P/C	SIGNAL
1	1	Red - video
6	6	Red Gnd
2	2	Green - video or Composite sync with Green video
7	7	Green Gnd
3	3	Blue - video
8	8	Blue Gnd
4	4	Gnd
13	13	H - sync or Composite sync
10	10	Sync Gnd
12	12	Serial data
5	5	DDC Gnd
9	9	N.C.
11	11	Gnd
14	14	V - sync (V-clock)
15	15	Serial clock

Fig. 9 SIGNAL CABLE (SC-B102)

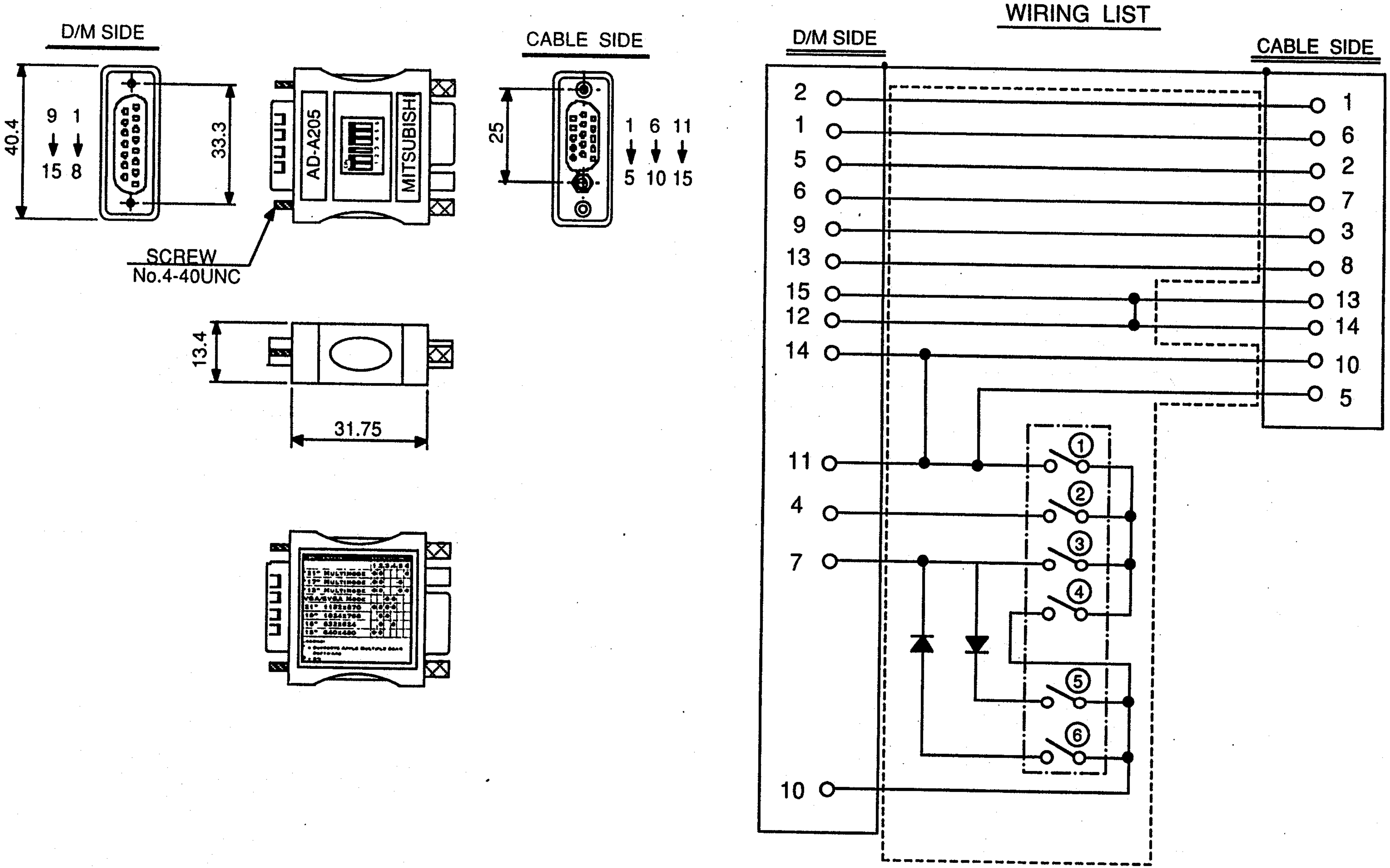

D/M SIDE
40.4
9 → 15
1 → 8
33.3
SCREW
No.4-40UNC
AD-A205
MITSUBISHI
CABLE SIDE
25
1 → 5
6 → 10
11 → 15
13.4
31.75
WIRING LIST
D/M SIDE
CABLE SIDE
2
1
5
6
9
13
15
12
14
11
4
7
10
1
6
2
7
3
8
13
14
10
5
①
②
③
④
⑤
⑥

Fig. 10 ADAPTER (AD-A205)

2. User's guide

CAUTION

The power cord provided with this monitor is designed for safety and must be used with a properly grounded outlet to avoid possible electrical shock.

Do not remove the monitor cabinet as this can expose you to very high voltages and other hazards.

Trademark

IBM, PC, PS/2, PS/V, Personal System/2 are registered trademarks of International Business Machines Corp.

Apple Macintosh is a registered trademark of Apple Computer, Inc.

Quadra is a trademark of Apple Computer, Inc.

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RADIO INTERFERENCE REGULATIONS STATEMENT FOR U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

THIS PRODUCT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS WITH SIGNAL CABLE SC-B102. USE IT TO REDUCE THE POSSIBILITY OF CAUSING INTERFERENCE TO RADIO, TELEVISION, AND OTHER ELECTRIC DEVICES.

NO USER SERVICEABLE PARTS INSIDE. DO NOT ATTEMPT TO MODIFY THIS EQUIPMENT. IF MODIFIED, YOUR AUTHORITY TO OPERATE THIS EQUIPMENT MIGHT BE VOIDED BY FCC.

WARNING!

This product is not designed for use in life support devices and Mitsubishi Electric corporation makes no representations to the contrary. Life support devices are those devices which are used to measure, diagnose, or evaluate the tissue, systems or functions of the human body; or other devices employed to support or sustain life or good health.

As an ENERGY STAR Partner, Mitsubishi Electric Corporation has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Diamond Pro 91TXM
User's Guide

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Note : This manual is designed for use with Diamond Pro 91TXM color display monitor.

1 INTRODUCTION

Congratulations on your purchase of the Diamond Pro 91TXM high resolution color monitor. Mitsubishi designed this monitor to provide you with years of reliable trouble-free operation. Once again, thank you for selecting our product and welcome to Mitsubishi!
This guide tells you how to connect, adjust and care for your Diamond Pro 91TX M monitor. This guide also provides technical specifications and instructions for troubleshooting any basic problems you may experience with your monitor.

1.1 Features

The Diamond Pro 91TXM is a 21"(19.7"Diagonal Viewable Image) intelligent, microprocessor-based monitor compatible with most analog RGB (Red, Green, Blue) display standards, including PS/V®, PS/2®, Apple® Macintosh® Centris, Quadra, and Macintosh II family signals. It provides crisp text and vivid color graphics with VGA, SVGA, XGA (non-interlaced), and most Macintosh compatible color video cards.

- The monitor's wide auto-scanning compatibility range makes it possible to upgrade video cards or software without purchasing a new monitor.

- Digitally controlled auto-scanning is done using an internal microprocessor, for horizontal scan frequencies between 30kHz and 95kHz, and vertical scan frequencies between 50Hz and 152Hz. The microprocessor-based intelligence allows the monitor to operate in each frequency mode with the precision of a fixed frequency monitor.

- The monitor contains resident memory for pre-programmed screen display standards and is also capable of storing additional user adjustment parameters.

- The monitor is capable of producing a maximum addressable resolution format of 1600 x 1200 lines typically. This display is well suited for windowing environments.

- Because of the analog signal inputs, the monitor can display an unlimited palette of colors that can be manually adjusted to suit your specific needs.

- The monitor has a power management function accorded to VESA-DPMS-standard. To save energy, the monitor must be connected to a system compliant with the VESA DPMS-standard. (Refer to your computer and/or video card instructions for proper operation.)

- The monitor has a serial interface which permits software control of the monitor's functions when using the optional serial interface kit.

- To ensure ease of installation and ongoing use, the monitor features Moire Clear Function and On-Screen Display (OSD) of all monitor set-up and adjustment functions.

- For use in a variety of applications, the monitor complies with UL 1950 and CSA C22.2 No.950 for safety, FCC Class-B for EMI, MPR-II and ISO 9241-3 for ergonomics. The monitor also complies with TCO'92 guideline for environmentally safe.

- Digital Chassis design for lighter, more compact enclosure and increased screen performance.

- DIAMONDTRON CRT with 0.28mm pitch aperture-grille mask, advanced-focus P-NX DBF (Dynamic Beam Forming) electron gun and high contrast optical-quality coating.

- The monitor complies with Video Electronics Standards Association (VESA™) DDC1/2B(EDID) specification. If your computer provides DDC1/2B(EDID) function, setup will be done automatically.

1.2 Internal Preset Memory Capability

To minimize adjustment needs, the factory has preset popular display standards into the monitor, as shown in Table 1. If any of these display standards are detected, the picture size and centering are automatically adjusted. All of the factory presets may be overwritten by adjusting the user controls. The monitor is capable of automatically storing up to twelve additional display standards. The new display information must differ from any of the existing display standards by at least 1kHz for the horizontal scan frequency or 5Hz for the vertical scan frequency or the sync signal polarities must be different.

Table 1. Memory Buffer Factory Presets

MEMORY BUFFER	PRESET TIMING	Fh (kHz)	Fv (Hz)	Polarity H	Polarity V
1	1600 x 1200 N.I.	93.7	75	+	+
2	1280 x 1024 N.I.	79.9	75	+	+
3	1152 x 870 N.I.	68.7	75	-	-
4	1024 x 768 N.I.	60.0	75	+	+
5	800 x 600 N.I.	46.8	75	+	+
6	640 x 480 N.I.	37.5	75	-	-

1.3 Power Management Function

The monitor has the power management function which reduces the power consumption of the monitor when not in use. There are two reduced power level modes.

- **Stand-by mode**
  When the horizontal sync signal is off, the monitor is switched to a stand-by mode. When the monitor is in stand-by mode, the screen is off and the power indicator will blink for 0.5 second intervals.
  After the horizontal sync signal is restored, picture will be displayed immediately.

- **Suspend mode**
  When the vertical sync signal is off, after about 10 seconds the monitor is switched to a suspend mode which reduces the monitor power consumption to less than 15W.
  When the monitor is in suspend mode, the screen is off and the power indicator will blink for two second intervals. After the vertical sync signal is restored, picture will be displayed within a few seconds.

- **Power-off mode**
  When the horizontal sync signal and vertical sync signal are off, after about 10 seconds the monitor is switched to a power-off mode, which reduces the monitor power consumption to less than the power consumed at suspend mode above.
  When the monitor is in power-off mode, the screen is off, and the power indicator will blink for 3 seconds of On-time and 1 second Off-time.
  After both the sync signals are restored, picture will be displayed within several seconds.

1.4 DDC

The monitor includes the DDC1 and DDC2B feature. DDC (Display Data Channel) is a communication channel over which the monitor automatically informs the host system about its capabilities (e.g. each supported resolution with its corresponding timing).
DDC is routed through previously unused pins of the 15-pin VGA connector.
The system will perform "Plug and Play" feature if both, monitor and host, implement the DDC protocol.

1.5 Location Considerations

When setting up and using the monitor, keep the following in mind:

- For optimum viewing, avoid placing the monitor against a bright background or where sunlight or other light sources may reflect on the display area of the monitor; place the monitor just below eye level.
- Place the monitor away from strong magnetic or electromagnetic fields, such as high capacity transformers, electric motors, large current power lines, steel pillars, etc.... Magnetism can cause distortion in the picture and/or color purity.
- Avoid covering the slots or openings of the monitor. Allow adequate ventilation around the monitor so the heat from the monitor can properly dissipate. Avoid putting the monitor into any enclosure that does not have adequate ventilation.
- Avoid exposing the monitor to rain, excessive moisture, or dust, as this can cause a fire or shock hazard.
- Avoid placing the monitor, or any other heavy object, on the power cord. Damage to the power cord can cause a fire or electrical shock.
- When transporting the monitor, handle it with care.

CAUTION

Keep your fingers away from the pivot area of the tilt/swivel base.

1.6 Cleaning Your Monitor

When cleaning the monitor, please follow these guidelines:

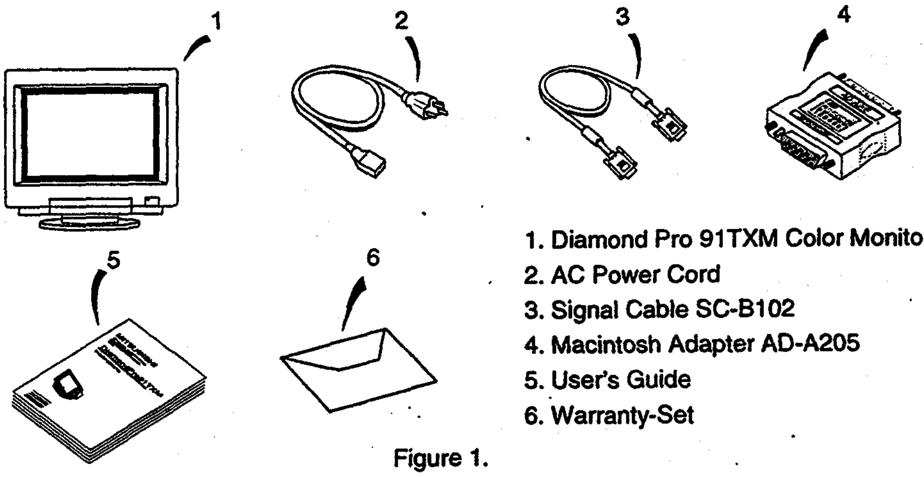
- Always unplug the monitor before cleaning.
- Wipe the screen and cabinet front and sides with a soft cloth.
- If the screen requires more than dusting, apply a household window cleaner to a soft cloth to clean the monitor screen.

CAUTION

Do not use benzene, thinner or any volatile substances to clean the unit as the finish may be permanently marked. Never leave the monitor in contact with rubber or vinyl for an extended time period.

1.7 Unpacking

After you unpack the box you should have all of the items indicated in Figure 1. Save the box and packing materials in case you ship or transport the monitor. Complete and mail in warranty cards.



1. Diamond Pro 91TXM Color Monitor
2. AC Power Cord
3. Signal Cable SC-B102
4. Macintosh Adapter AD-A205
5. User's Guide
6. Warranty-Set

Figure 1.

1.8 Tilt/Swivel Base

The monitor comes with a tilt/swivel base. This enables you to position the monitor to the best angle and tilt for maximum viewing comfort.

Screen Position Adjustment

Adjust the tilt and rotation of the monitor by placing your hands at opposite sides of the case, as shown in Figure 2. You can adjust the monitor 45 degrees right or left, 10 degrees up or 5 degrees down, as shown below.

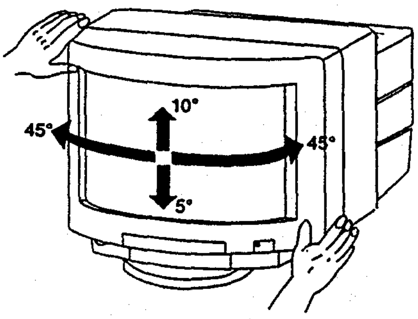
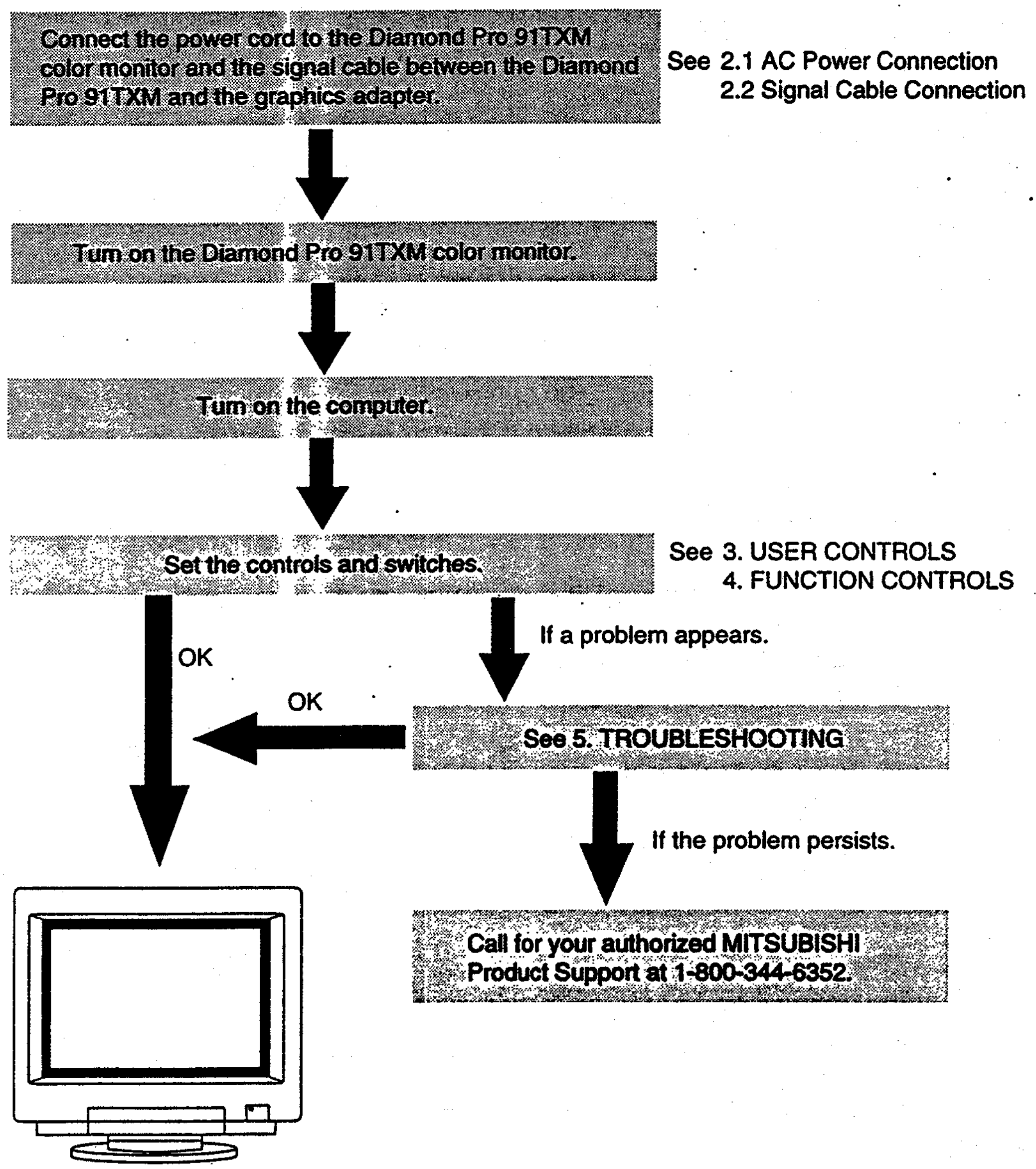


Figure 2.

1.9 Quick Operation Chart

To summarize the steps in connecting your computer and adapter with Diamond Pro 91TXM color monitor and setting the necessary controls and switches, refer to the chart below.



Connect the power cord to the Diamond Pro 91TXM color monitor and the signal cable between the Diamond Pro 91TXM and the graphics adapter.

See 2.1 AC Power Connection
2.2 Signal Cable Connection

Turn on the Diamond Pro 91TXM color monitor.

Turn on the computer.

Set the controls and switches.

See 3. USER CONTROLS
4. FUNCTION CONTROLS

If a problem appears.

See 5. TROUBLESHOOTING

If the problem persists.

Call for your authorized MITSUBISHI Product Support at 1-800-344-6352.

2 CONNECTING THE MONITOR

On the back of the monitor are four plug-in connections: one for the AC power cord, DB9-15P connector, BNC connector for video and a DIN-8P connector for the optional serial interface kit.

2.1 AC Power Connection

One end of the AC power cord is connected into the AC power connector on the back of the monitor. The other end is plugged into a properly grounded three-prong AC outlet. The monitor's auto-sensing power supply can automatically detect 100-120V AC or 200-240V AC and 50 or 60Hz.

2.2 Signal Cable Connection

The attached video signal cable provides a DB9-15P connector for the VGA compatible analog RGB outputs on your computer. The RGB signal may be derived from an IBM® PS/2, or compatible Apple Macintosh built-in video. Most third party color cards can also be interfaced using the free Mitsubishi Apple adaptor available from your dealer.

2.2.1 Connecting to Any IBM VGA Compatible System

Figure 3 shows the SC-B102 cable connection to the Video Graphics Array (VGA) port in an IBM Personal System/2® Model 50, 60, 70 and 80, or any VGA compatible system.

1. Power off, the monitor and the computer.
2. Connect the one end of the SC-B102 cable to the 15-pin connector on the VGA controller card.
3. Connect the other end of the SC-B102 cable to the DB9-15P receptacle on the back of the monitor.
4. Power on the computer, then the monitor.
5. After using the system, power off the monitor, then the computer.

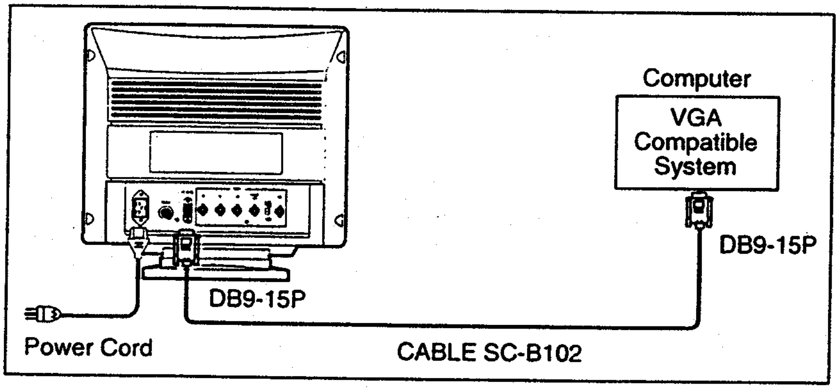


Figure 3.

CAUTION

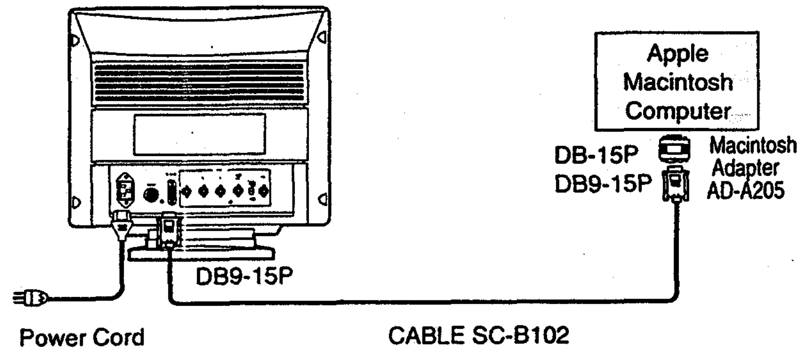
The socket-outlet shall be installed near the equipment and shall be easily accessible. During servicing, disconnect the plug from the socket-outlet.

Méme si le moniteur est mis hors tension il reste toujours alimenté. La prise secteur devrait ainsi ètre facilement accssible en cas d'urgence.

2.2.2 Connecting to An Apple Macintosh Centris, Quadra, and Apple Macintosh II Family

Figure 4 shows the SC-B102 cable and AD-A205 Adapter to the video port in an Apple Macintosh.

1. Power off, both the monitor and the computer.
2. Set the DIP switches of Macintosh Adapter according to the setting chart. (See 7.4 Macintosh Adapter AD-A205 settings)
3. Connect the 15-pin (DB-15P) end of the AD-A205 Adapter to the straight 15-pin connector on the Macintosh video port on the CPU or on the video board.
4. Connect the sub-miniature 15-pin (DB9-15P) end of AD-A205 Adapter to the SC-B102 cable.
5. Connect the other end of the SC-B102 cable to the DB9-15P receptacle on the back of the monitor.
6. Power on the Macintosh, then the monitor.
7. After using the system, power off the monitor, then the Macintosh.


Apple Macintosh Computer
DB-15P
DB9-15P
Macintosh Adapter AD-A205
DB9-15P
Power Cord
CABLE SC-B102

Please see APPENDIX (7.4 Macintosh Adapter AD-205 settings).

Figure 4.

2.2.3 Connecting to a Unix Workstation & Third Party Graphics Card

Figure 5 shows the SC-B102 or "75Ω" coaxial cable (not supplied) connection to the graphics video card (PC-CAD and workstation).

1. Power off, both the monitor and the computer.
2. Connect one end of the SC-B102 cable or the "75Ω" coaxial cable to the output connector on the CPU, or on the video board.
3. Connect the other end of the SC-B102 cable or the "75Ω" coaxial cable to the DB9-15P receptacle or the BNC receptacles on the back of the monitor.
4. Power on the computer, then the monitor.
5. After using the system, power off the monitor, then the computer.

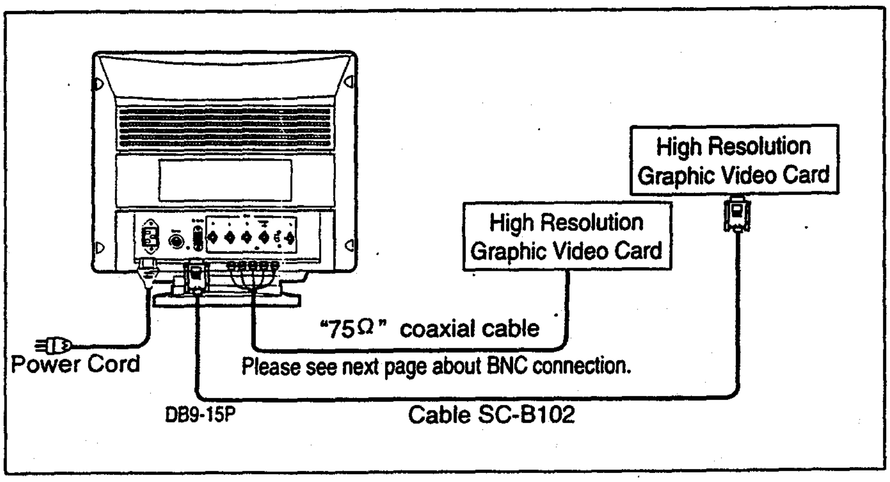
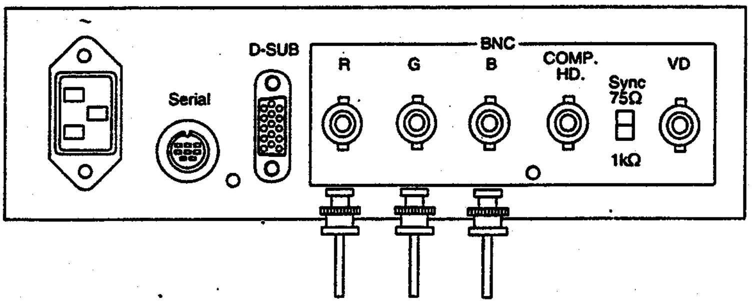

High Resolution Graphic Video Card
High Resolution Graphic Video Card
"75Ω" coaxial cable
Power Cord
Please see next page about BNC connection.
DB9-15P
Cable SC-B102

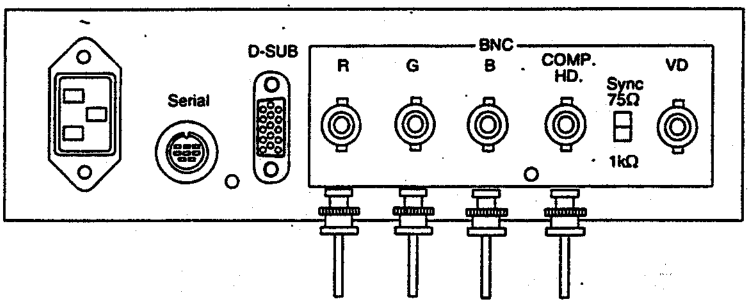
Figure 5.

BNC CONNECTION

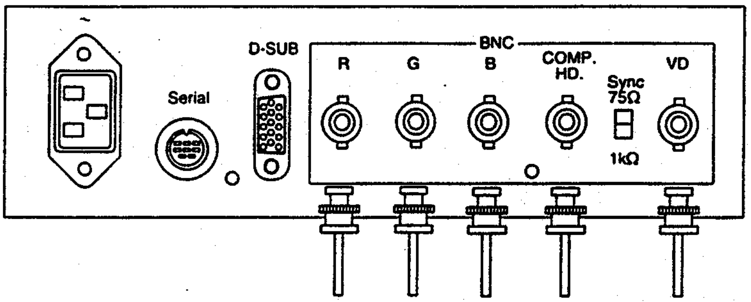
(1) IN CASE OF A COMPOSITE SYNC ON GREEN VIDEO SIGNAL (SYNC ON GREEN):
Connect the R, G and B video signals to the BNC receptacles on the back of the monitor.


~
Serial
D-SUB
BNC
R
G
B
COMP.
HD.
Sync
75Ω
1kΩ
VD

(2) IN CASE OF EXTERNAL COMPOSITE SYNC SIGNAL:
Connect the R, G and B video signals and the Composite sync signal to BNC receptacles on rear panel, respectively.


~
Serial
D-SUB
BNC
R
G
B
COMP.
HD.
Sync
75Ω
1kΩ
VD

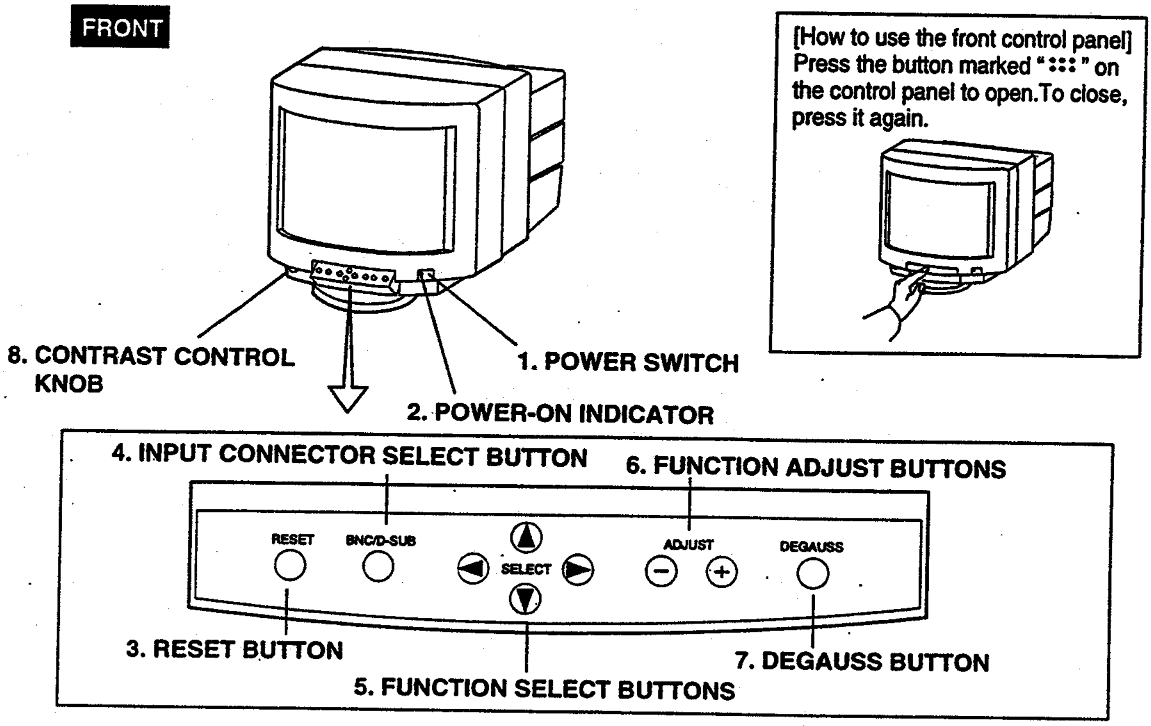
(3) IN CASE OF SEPARATE HORIZONTAL AND VERTICAL SYNC SIGNALS:
Connect the R, G and B video signals and the horizontal and vertical sync signals to the BNC receptacles on the rear panel.


~
Serial
D-SUB
BNC
R
G
B
COMP.
HD.
Sync
75Ω
1kΩ
VD

NOTE: Set the"75Ω"/"1kΩ" TERMINATION SWITCH to the "1kΩ" position when using a TTL sync signal, otherwise set to the "75Ω" position.

3 USER CONTROLS

See Figure 6 and 7 for the location of the following user controls and indicators. Each control is identified by number and is described individually on page 15.



[How to use the front control panel] Press the button marked " ::: " on the control panel to open.To close, press it again.

FRONT
8. CONTRAST CONTROL KNOB
1. POWER SWITCH
2. POWER-ON INDICATOR
4. INPUT CONNECTOR SELECT BUTTON
6. FUNCTION ADJUST BUTTONS
RESET
BNC/D-SUB
SELECT
ADJUST
DEGAUSS
3. RESET BUTTON
7. DEGAUSS BUTTON
5. FUNCTION SELECT BUTTONS

Figure 6

1. **POWER SWITCH:** A push-on push-off switch for AC power.

2. **POWER-ON INDICATOR:** This indicator illuminates when AC power is on.

3. **RESET BUTTON:** Push the RESET button to restore a factory preset that has been modified by the user. This button performs two functions under different conditions.

    1. When adjusting H-SIZE, H-PHASE, V-SIZE, V-PHASE, PCC-AMP or PCC-PHASE controls, pressing the RESET button will restore the factory adjusted screen geometry and size settings, if the current video signal timing corresponds to a factory preset timing.
    2. When adjusting color gains, pressing the RESET button will restore the factory adjusted color gain for the currently selected color memory number.

4. **INPUT CONNECTOR SELECT BUTTON:** Push the BNC/D-SUB button to select the input signal BNC or D-SUB. By the OSD function, input signal could select, either. (See 4.1 (3) Connector select)

5. **FUNCTION SELECT BUTTONS:** Push the adjust buttons to choose one of the functions that is superimposed on the display screen.

6. **FUNCTION ADJUST BUTTONS:** Push the adjust buttons to adjust the image on the screen that is selected via the function select buttons.

7. **DEGAUSS BUTTON:** A push type button that is used to eliminate possible color shading or impurity.

REAR

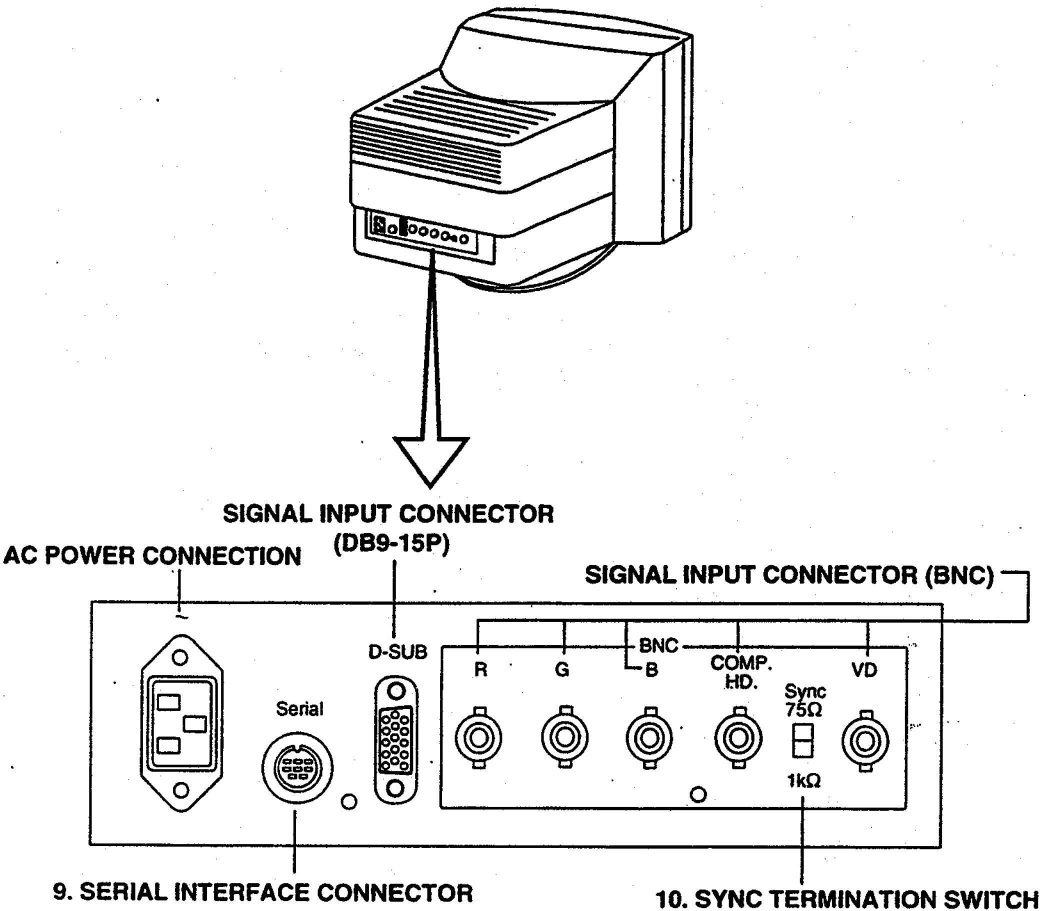

SIGNAL INPUT CONNECTOR
(DB9-15P)
AC POWER CONNECTION
SIGNAL INPUT CONNECTOR (BNC)
D-SUB
Serial
BNC
R
G
B
COMP.
HD.
VD
Sync
75Ω
1kΩ
9. SERIAL INTERFACE CONNECTOR
(DIN-8P)
10. SYNC TERMINATION SWITCH

Figure 7

8. **CONTRAST CONTROL KNOB:** Turn the control clockwise to increase contrast. Contrast may also be adjusted from the OSD menu using plus and minus bottons.

9. **SERIAL INTERFACE CONNECTOR:** The monitor has a DIN-8P connector for connecting to the computer when using the optional serial interface kit. For information about connecting the serial interface, please refer to the instructions included with the serial interface kit.

   For further information about the optional serial interface kit, please contact your authorized MITSUBISHI dealer.

10. **SYNC TERMINATION SWITCH:** Set the 75Ω/1kΩ sync termination switch to the 1kΩ position when using a TTL sync signal, otherwise set to 75Ω position.
    (This switch is effective for BNC INPUT. For the DB9-15P input, Synctermination is 1kΩ fix.)

4

OSD(On Screen Display) FUNCTIONS

NORMAL-MODE

(1) **CONTRAST:** Adjusts to the desired contrast level.
(2) **BRIGHTNESS:** Adjusts to the black level of the screen.
(3) **CONNECTOR-SELECT:** Selects the video input connection to be used.
(4) **H-SIZE (Horizontal Size):** Controls the horizontal size of the image on the screen.
(5) **H-PHASE (Horizontal Position):** Controls the horizontal position of the image on the screen.
(6) **V-SIZE (Vertical Size):** Controls the vertical size of the image on the screen.
(7) **V-POSITION (Vertical Position):** Controls the vertical position of the image on the screen.
(8) **PCC-AMP (Pincushion or Bow Amplitude):** Straightens the left and right sides of the screen image.
(9) **PCC-PHASE:** Adjusts the parallelism of the left and right sides of the screen image.
(10) **PIN-BALANCE:** Adjusts the curvature of the left and right sides of the screen image.
(11) **KEY-BALANCE:** Adjusts the vertical slant or tilt of the screen image.
(12) **ROTATION:** Adjusts the rotation or twist of the picture.
(13) **H-STATIC:** Adjusts the horizontal alignment of the red, green and blue beams.
(14) **COLOR 1-RED, COLOR 2-RED, COLOR 3-RED:** Provides the red-color balances for the display.
(15) **COLOR 1-GREEN, COLOR 2-GREEN, COLOR 3-GREEN:** Provides the green-color balances for the display.
(16) **COLOR 1-BLUE, COLOR 2-BLUE, COLOR 3-BLUE:** Provides the blue-color balances for the display.
(17) **POWER-SAVE (ON/OFF):** When adjusting ON, reduces the power consumption of the monitor when not in use.
(18) **MOIRE-CLEAR (ON/OFF):** When adjusting ON, the moire level on the screen can decreased by the MOIRE-CLEAR LEVEL.
(19) **MOIRE-CLEAR LEVEL:** When MOIRE-CLEAR is on, decreases the moire level on the screen.

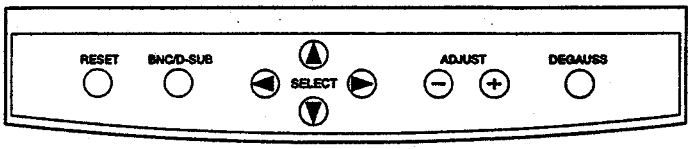
ENHANCED-MODE

(20) **H-POSI (Horizontal Position):** Adjusts the horizontal position of the screen.
(21) **CENTER-PCC (Center Pincushion or Bow Amplitude):** Adjusts the pincushioning near the vertical center of the screen.
(22) **CORNER-PCC (Top of Pincushion or Bow Amplitude):** Adjusts the pincushioning at the top corners of the screen.
(23) **BOTTOM-PCC (Bottom of Pincushion or Bow Amplitude):** Adjusts the pincushioning at the bottom corners of the screen.
(24) **TOP-BALANCE:** Move the top of the screen image to the right and left.
(25) **PCC-SINE:** Move the expanded part from top to bottom and bottom to top.
(26) **CLAMP PULSE POSITION:** Use this function to eliminate excessive green or white background that may occur when both Sync-On-Green and external sync signals are applied to the monitor.
(27) **PURITY:** Adjusts the purity of the screen.
(28) **VIDEO LEVEL:** Selects video levels 1.0V or 0.7V.

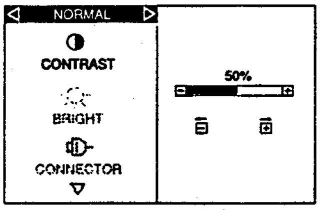
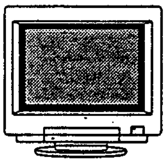
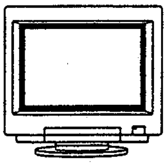
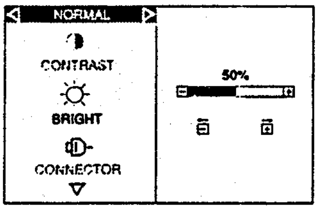
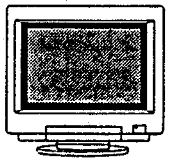
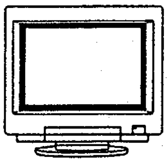
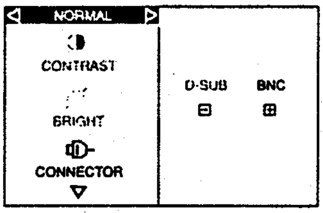
4.1 Normal Mode Operation

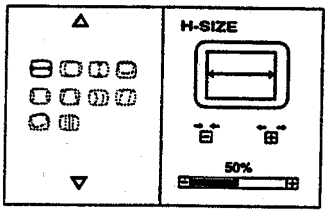
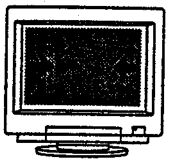
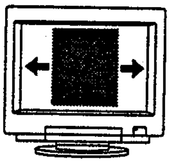
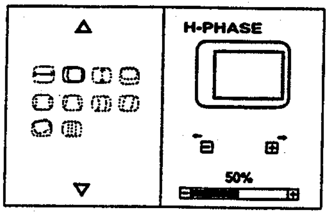
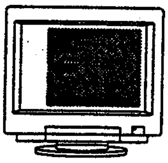
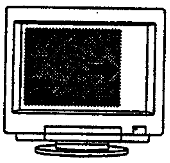
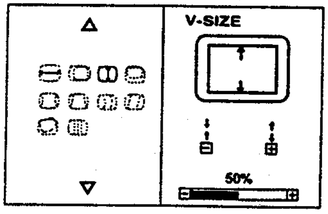
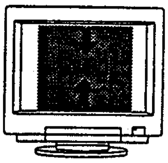
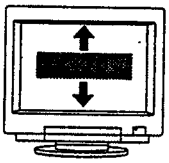
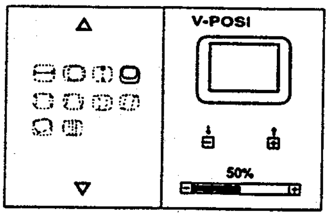
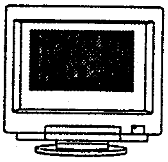
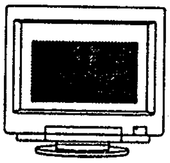
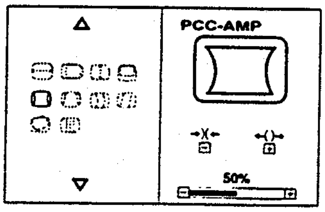
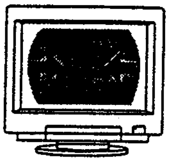
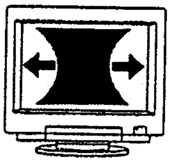
Press any select button and control indicators will be superimposed on the display screen. Refer to Figure 6 for the location of the monitor function (◀ ▶ ▲ ▼ ⊕ ⊖) controls. Press the select buttons to choose one of the following controls.
When the indicator of a function symbol comes on the screen and changes to blue, that control is active and can be adjusted by the adjust buttons. The monitor automatically memorizes all adjustments.
If you don't touch the control switches for ten seconds, the OSD screen will disappear.
For faster OSD blanking, push ▲▼ buttons simultaneously.

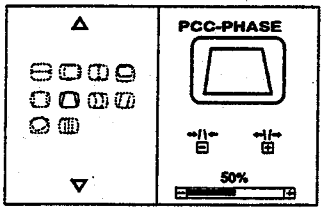
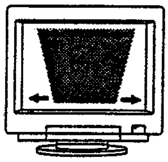
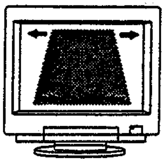
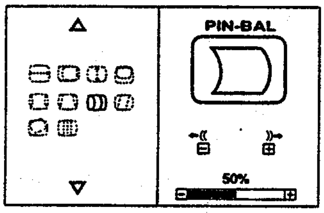
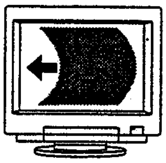
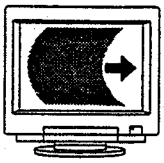
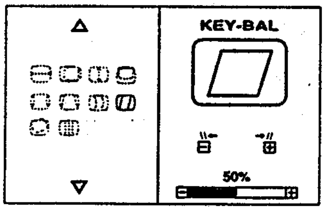
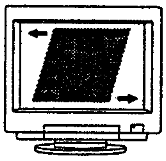
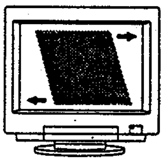
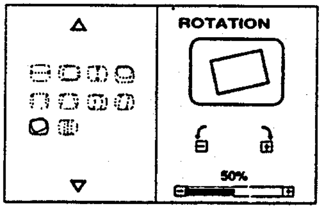
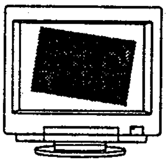
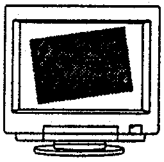
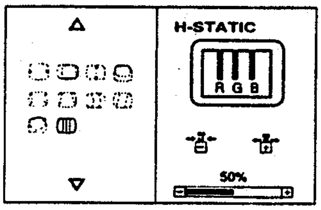
Front Control Panel


RESET
BNC/D-SUB
SELECT
ADJUST
DEGAUSS

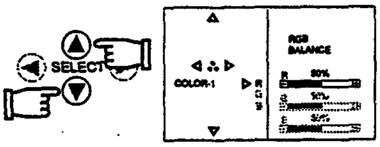
▲ Button: select up
▼ Button: select down
▶ Button: select right
◀ Button: select left

FUNCTION AND OSD	Press the Minus Adjust Button:	Press the Plus Adjust Button:
(1) CONTRAST  NORMAL CONTRAST BRIGHT CONNECTOR 50%	 To decrease the contrast. Press plus and minus buttons together, to restore to factory preset level.	 To increase the contrast.
(2) BRIGHTNESS  NORMAL CONTRAST BRIGHT CONNECTOR 50%	 To decrease the brightness. Press plus and minus buttons together, to restore to factory preset level.	 To increase the brightness.
(3) CONNECTOR-SELECT  NORMAL CONTRAST BRIGHT CONNECTOR D-SUB BNC	Press the minus adjust button to select the D-SUB input connector. If the selected connector has no signal, the monitor will select another one automatically.	Press the plus adjust button to select the BNC input connector.

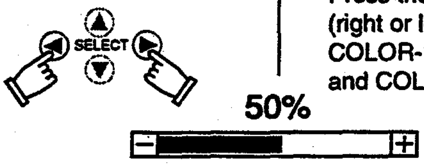
FUNCTION AND OSD	Press the Minus Adjust Button:	Press the Plus Adjust Button:
(4) H-SIZE (Horizontal Size)  	 To narrow the width of the image on the screen.	 To expand the width of the image on the screen.
(5) H-PHASE(Horizontal Position)  	 To move the image to the left.	 To move the image to the right.
(6) V-SIZE(Vertical Size)  	 To narrow the height of the image on the screen.	 To expand the height of the image on the screen.
(7) V-POSITION (Vertical Position)  	 To move the image down.	 To move the image up.
(8) PCC-AMP (Pincushion or Bow Amplitude)  	 To collapse the center of the image.	 To expand the center of the image.

FUNCTION AND OSD	Press the Minus Adjust Button: ⊖ ⊕	Press the Plus Adjust Button: ⊖ ⊕
(9) PCC-PHASE 	 To decrease the width at the top of the screen image and to increase the width at the bottom.	 To increase the width at the top of the screen image and to decrease the width at the bottom.
(10) PIN-BALANCE 	 To move the top and bottom of the screen image to the right.	 To move the top and bottom of the screen image to the left.
(11) KEY-BALANCE 	 To make the screen slant to the left.	 To make the screen slant to the right.
(12) ROTATION 	 To rotate to the left. Press plus and minus buttons together, to restore to factory preset level.	 To rotate to the right.
(13) H-STATIC 	To move the red to the right and the blue to the left. Press plus and minus buttons together, to restore to factory preset level.	To move the red to the left and the blue to the right.

(14) COLOR 1-RED, COLOR 2-RED, COLOR 3-RED


SELECT
RGB BALANCE
COLOR-1
R 50%

Press the select buttons (up or down) to choose COLOR-1 R.

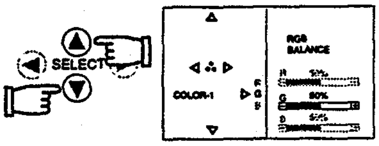


Press the minus adjust button to decrease the red color level.

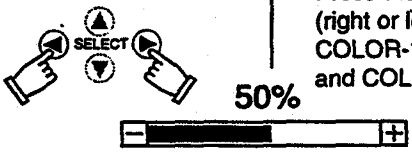
Press the select buttons (right or left) to choose COLOR-1, COLOR-2, and COLOR-3.

Press the plus adjust button to increase red color level.

(15) COLOR 1-GREEN, COLOR 2-GREEN, COLOR 3-GREEN


SELECT
RGB BALANCE
COLOR-1
G 50%

Press the select buttons (up or down) to choose COLOR-1 G.

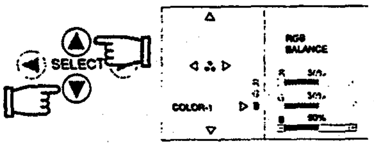


Press the minus adjust button to decrease the green color level.

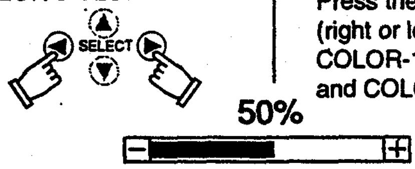
Press the select buttons (right or left) to choose COLOR-1, COLOR-2, and COLOR-3.

Press the plus adjust button to increase the green color level.

(16) COLOR 1-BLUE, COLOR 2-BLUE, COLOR 3-BLUE


SELECT
RGB BALANCE
COLOR-1
B 50%

Press the select buttons (up or down) to choose COLOR-1 B.



Press the minus adjust button to decrease the blue color level.

Press the select buttons (right or left) to choose COLOR-1, COLOR-2, and COLOR-3.

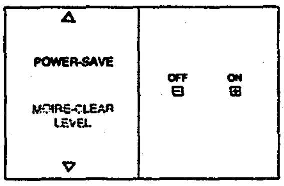
Press the plus adjust button to increase the blue color level.

(17) POWER-SAVE (ON/OFF)

Press the up or down SELECT buttons to choose POWER-SAVE.

Press the minus adjust button to select the constant power-on mode.

Press the plus adjust button to select the power-save mode.

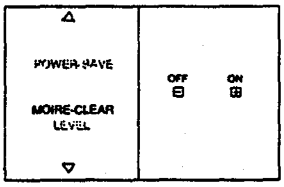

POWER-SAVE
MOIRE-CLEAR LEVEL
OFF
ON

(18) MOIRE-CLEAR (ON/OFF)

Press the up or down SELECT buttons to choose MOIRE-CLEAR.

Press the minus adjust button to select the moire-clear mode off.

Press the plus adjust button to select the moire-clear mode on.


POWER-SAVE
MOIRE-CLEAR LEVEL
OFF
ON

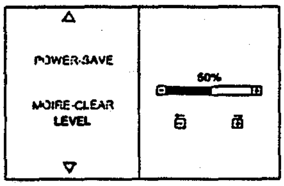
(19) MOIRE-CLEAR LEVEL

Press the up or down SELECT buttons to choose MOIRE-CLEAR LEVEL.

Press the minus adjust button to decrease the level of the moire-clear wave.

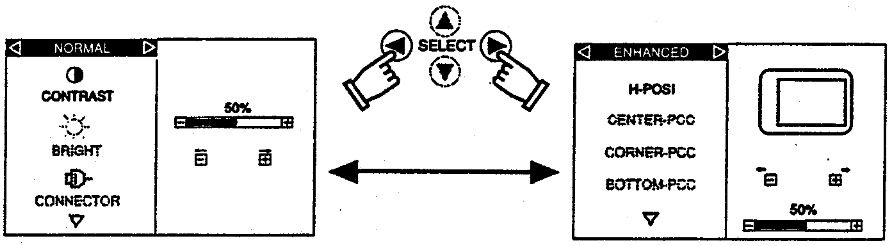
Press the plus adjust button to increase the level of the moire-clear wave.

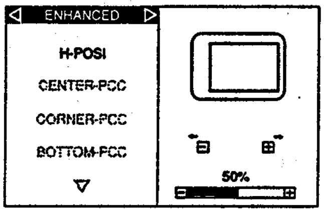
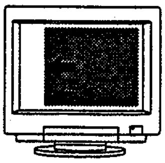
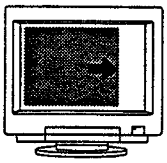
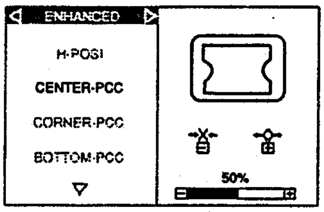
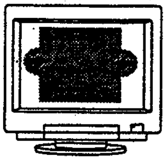
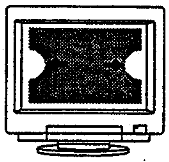
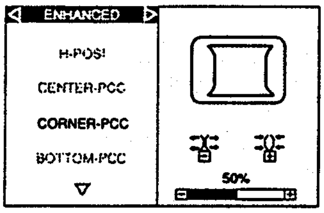
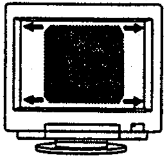
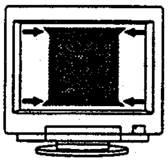
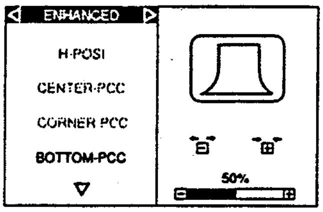
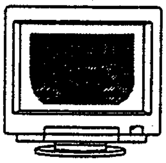
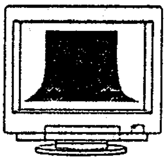
- The over-adjustment might degrade picture quality.

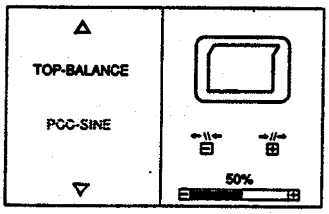
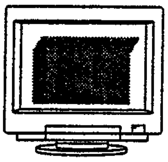
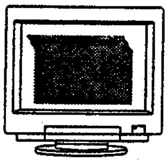
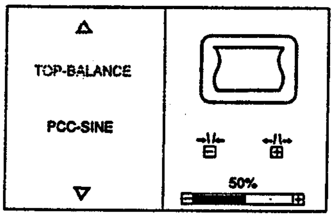
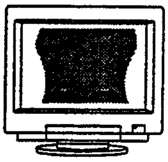
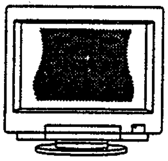
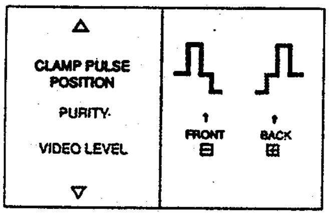
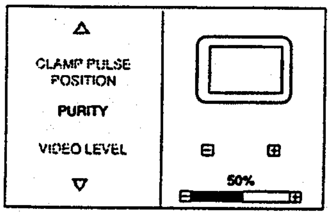
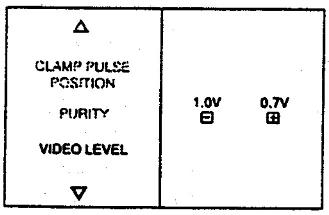

POWER-SAVE
MOIRE-CLEAR LEVEL
50%

4.2 Enhanced Mode Operation

Press the button (up or down) to select the CONTRAST, and press the button (right or left) to select ENHANCED MODE. In the ENHANCED MODE, you can adjust the following controls.


NORMAL
CONTRAST
BRIGHT
CONNECTOR
50%
SELECT
ENHANCED
H-POSI
CENTER-PCC
CORNER-PCC
BOTTOM-PCC
50%

FUNCTION AND OSD	Press the Minus Adjust Button:	Press the Plus Adjust Button:
(20) H-POSI (Horizontal Position)  ENHANCED H-POSI CENTER-PCC CORNER-PCC BOTTOM-PCC 50%	 To move the screen to the left.	 To move the screen to the right.
(21) CENTER-PCC (Center Pincushion or Bow Amplitude)  ENHANCED H-POSI CENTER-PCC CORNER-PCC BOTTOM-PCC 50%	 To narrow the center of the image horizontally.	 To expand the center of the image horizontally.
(22) CORNER-PCC(Corner Pincushion or Bow Amplitude)  ENHANCED H-POSI CENTER-PCC CORNER-PCC BOTTOM-PCC 50%	 To expand the width of the screen image near the corners.	 To narrow the width of the screen image near the corners.
(23) BOTTOM-PCC(Bottom of Corner Pincushion or Bow Amplitude)  ENHANCED H-POSI CENTER-PCC CORNER PCC BOTTOM-PCC 50%	 To expand the width of the screen image near the corners of bottom.	 To narrow the width of the screen image near the corners of bottom.

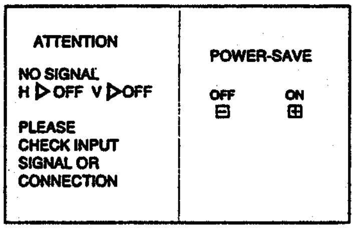
FUNCTION AND OSD	Press the Minus Adjust Button:	Press the Plus Adjust Button:
(24) TOP-BALANCE  TOP-BALANCE PCC-SINE 50%	 To move the top of the image to the left.	 To move the top of the image to the right.
(25) PCC-SINE  TOP-BALANCE PCC-SINE 50%	 To move expanded part from top to bottom.	 To move expanded part from bottom to top.
(26) CLAMP PULSE POSITION  CLAMP PULSE POSITION PURITY VIDEO LEVEL FRONT BACK	To clamp the video signal at the front of the H-Sync pulse.	To clamp the video signal at the back of the H-Sync pulse.
(27) PURITY  CLAMP PULSE POSITION PURITY VIDEO LEVEL 50%	Input Full White signal to monitor. Press the plus or minus adjust buttons, to get pure white at the corner of picture. Press plus and minus buttons together to restore to factory preset level.	
(28) VIDEO LEVEL  CLAMP PULSE POSITION PURITY VIDEO LEVEL 1.0V 0.7V	To select 1.0V of video input.	To select 0.7V of video input.

NOTE

When the monitor has no sync signal or incorrect connection and the signal frequency is out of range, the following CAUTION comes on the screen. Check input signal, signal cable connection and signal frequency.

1. POWER SAVE IS OFF

When POWER SAVE is OFF and there is no sync signal, the following screen is displayed.



ATTENTION

NO SIGNAL
H ▷OFF V ▷OFF

PLEASE
CHECK INPUT
SIGNAL OR
CONNECTION

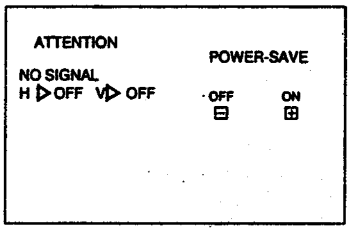
POWER-SAVE

OFF ON
⊟ ⊞

2. POWER SAVE IS ON

(1) When POWER SAVE is ON and there is no sync signal, the following screen is displayed for 5 seconds.

(2) Before 2 seconds POWER SAVE function works, the following screen is displayed.

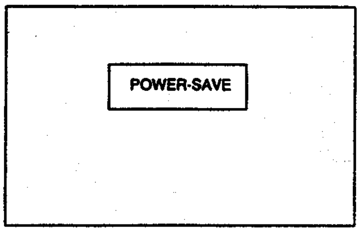


ATTENTION

NO SIGNAL
H ▷OFF V▷ OFF

POWER-SAVE

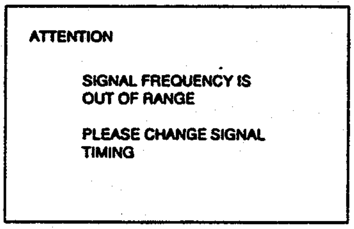
OFF ON
⊟ ⊞



POWER-SAVE

3. POWER SAVE IS ON OR OFF

When signal frequency is out of range, the following screen is displayed.



ATTENTION

SIGNAL FREQUENCY IS
OUT OF RANGE

PLEASE CHANGE SIGNAL
TIMING

5 TROUBLESHOOTING

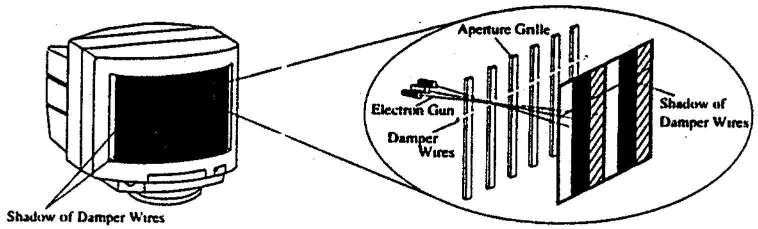
Before calling your Authorized Product Support, please check that the items below are properly connected or set.
In case of using a non-standard signal, please check the pin assignments and the signal timing of your computer with the specification outlined in SPECIFICATION 6 and APPENDIX 7.

PROBLEM		ITEMS TO CHECK	LOCATION
No picture	LED On	• Contrast and brightness controls.	• Front (Adjust to the maximum brightness or push the reset button)
	LED Off	• Power switch. • AC power cord disconnected.	• Front • Rear
	LED Blinking	• Signal cable disconnected. • BNC cables are misconnected or the green cable is disconnected. • Computer power switch. • Power management function is active.	• Rear • Check the graphics adapter and cables • Computer • Check the power management function. (see P22)
Abnormal picture	Un-stable picture	• BNC cables are misconnected. • Input signal frequency range is disagreement. CGA MODE is not available. MDA MODE is not available. EGA MODE is not available.	• Rear • Check the specification of graphics adapter and monitor
	No green color with BNC	• BNC cables are misconnected. (Green and composite sync. connection is reversed)	• Rear
	Display is missing, center shifts, or too small or too large of a display size	• Depress the MEMORY RESET SWITCH for a standard signal. • Adjust H.SIZE, V.SIZE, H.POSITION, and V.POSITION with non-standard signals. • Monitor may not be able to get full-screen image depend on signal. In this case, please select other resolution, or other vertical refresh timing. • Make sure you wait a few seconds after adjusting the size of the image before changing or disconnecting the signal or powering OFF the monitor.	• Front (OSD) • Front (OSD)
	Display is not stable	• BNC cables are misconnected.	• Rear
	Display is dark or too bright	• Input video signal level select is not at the appropriate position for your graphics adapter output.(0.7V or 1.0Vp-p)	• Front (OSD)

NOTE:

Two fine horizontal lines may be visible on the screen. This is not a fault or defect of the monitor and is normal for all aperture grille type displays.

The fine lines are the shadows of *Damper Wires* which are used to reduce the susceptability of the DIAMONDTRON CRT's aperture grille to shock or vibration.



Aperture Grille Type

6 SPECIFICATIONS

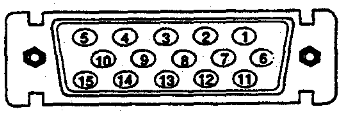
CRT	Size, Mask type	21"(19.7"Diagonal Viewable Image),aperture grille
	Gun	In-line
	Deflection angle	90°
	Phosphors	Red, Green, Blue EBU (medium short persistence)
	Aperture grille pitch	0.28mm
	Face Plate	Anti-glare, Anti-reflection and Anti-static coating
	Focusing method	Dynamic Beam Forming (DBF)
INPUT SIGNAL	Video	0.7 and 1.0Vp-p analog RGB
	Sync	Sync. on Green or separated H, V sync. or Composite sync
INTERFACE	Input Connector	5BNC, DB9-15P, DIN-8P(Serial Control)
	Input Impedance	75Ω (video)
SCANNING FREQUENCY	Horizontal	30 - 95kHz
	Vertical	50 - 152Hz
RESOLUTION (HxV)	1600dots x 1200lines Non-Interlaced maximum addressable resolution format at 75Hz	
WARM-UP TIME	30 minutes to reach optimum performance level	
BRIGHTNESS	100cd/cm^2, standard full white video signal	
VIDEO AMPLIFIER	50Hz - 180MHz (typ.)	
BLANKING TIME	Horizontal	< 2.5 µsec (typ.)
	Vertical	< 500 µsec (typ.)
DISPLAY SIZE	390mm x 290mm (Max.) ratio 4:3, e.g. 1024dots x 768lines	
COLOR	1= 9300K, 2 = 6500K, 3 = 5000K	
POWER SOURCE	AC100-120V/220-240V±10% 50/60Hz 150W (typ.)	
OPERATING ENVIRONMENT	Temperature	5 - 35°C
	Humidity	10 - 90%RH (without condensation)
CABINET	(W)19.7inch x (H)19.3inch x (D)19.2inch (W)500mm x (H)490mm x (D)488 mm	
WEIGHT	35kg (77lbs.)	
TILT/SWIVEL BASE	Tilt Angle	-5° - +10°
	Swivel Angle	±45°
REGULATIONS	Safety	UL1950 (UL) CSA C22.2 No.950 (C-UL)
	EMI	FCC Class-B DOC Class-B
	X-Ray	DHHS HWC
	Other	MPR-II ISO 9241-3 (TÜV-ERGO) TCO '92 International Energy Star Program

7 APPENDIX

7.1 Monitor Signal Input Connector (DB9-15P)

(Female)

DB9-15P



MOUNTED ON THE REAR PANEL

PIN ASSIGNMENTS

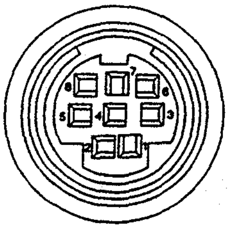
Pin No.	Signal
1	RED VIDEO
2	GREEN VIDEO or COMPOSITE SYNC with GREEN VIDEO
3	BLUE VIDEO
4	GROUND
5	DDC GROUND
6	RED GROUND
7	GREEN GROUND
8	BLUE GROUND
9	NC
10	SYNC GROUND
11	GROUND
12	SDA
13	HORIZONTAL SYNC or COMPOSITE SYNC
14	VERTICAL SYNC(VCLK)
15	SCL

DDC .... DISPLAY DATA CHANNEL
SDA .... SERIAL DATA
SCL .... SERIAL CLOCK
NC .... NO-CONNECTION

7.2 Serial Interface Input Connector (DIN-8P) For Serial Interface Function

(Female)

DIN-8P



MOUNTED ON THE REAR PANEL

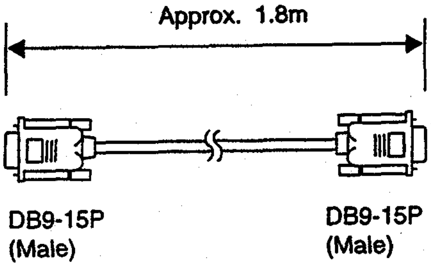
PIN ASSIGNMENT

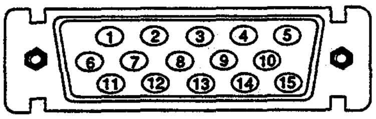
Pin No.	Signal	Description
1	DTR	Data Terminal Ready
2	NC	
3	TXD	Transmit Data
4	GND	Ground
5	RXD	Receive Data
6	GND	Ground
7	NC	
8	NC	

NC......................... NO-CONNECTION

7.3 SC-B102 Signal Cable

PIN ASSIGNMENT AND SIGNAL LEVEL


Approx. 1.8m
DB9-15P
(Male)
DB9-15P
(Male)


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Wire : 5 coaxial

SIGNAL PIN ASSIGNMENT	ANALOG
1	RED
2	GREEN
3	BLUE
4	GROUND
5	DDC GROUND
6	RED GROUND
7	GREEN GROUND
8	BLUE GROUND
9	NC
10	SYNC GROUND
11	GROUND
12	SDA
13	HORIZONTAL SYNC
14	VERTICAL SYNC(VCLK)
15	SCL

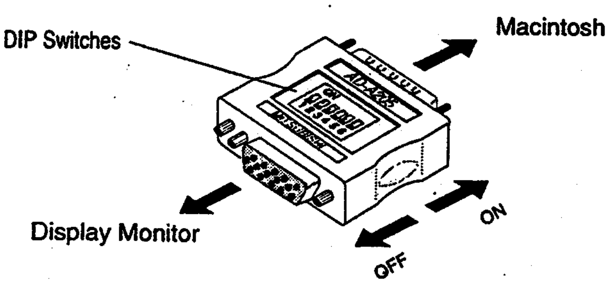
SIGNAL LEVEL
NC .... NO-CONNECTION
DDC: DISPLAY DATA CHANNEL
SDA: SERIAL DATA
SCL: SERIAL CLOCK

7.4 Macintosh Adapter AD-A205 settings

The AD-A205 Macintosh Adapter allows you to take advantage of the built-in video capabilities of your Macintosh computer with the monitor.
With it, you may select any available video mode via the DIP Switches.

Using the following chart, find the computer/resolution combination you wish to configure. There are alternate settings available for most computer / resolution combinations, but we recommend you set the factory preset timing. (see 1.2 Internal Preset Memory Capability)

The chart shows all available modes for Macintosh systems plus all possible combinations with monitor. Please be aware that not all Macintosh modes are capable of driving all Macintosh video modes.



In case of the computer corresponding to Multimode, you can select the resolution on your computer by setting the following switch.
Please refer to instruction book of your computer about resolution setting.

21"Multimode

1,2,6 = Set DIP switches 1,2 and 6 "ON" (Supports 640X480@67Hz; 832X624@75Hz; 1024X768@75Hz;1152X870@75Hz) or (Supports 640X480@67Hz; 832X624@75Hz; 1024X768@75Hz; 1152X870@75Hz; 1280X1024@75Hz) or (Supports 640X480@67Hz; 832X624@75Hz;1024X768@75Hz; 1152X870@75Hz; 1280X960@75Hz; 1280X1024@75Hz)

17"Multimode

1,2,5 = Set DIP switches 1,2 and 5 "ON" (Supports 640X480@67Hz; 832X624@75Hz; 1024X768@75Hz)

13"Multimode

1,2,5,6 =Set DIP switches 1,2,5 and 6 "ON" (Supports 640X480@67Hz; 832X624@75Hz)

AD-A205 Mac Adapter settings Chart

Macintosh COMPUTER / RESOLUTION	Macintosh IIci IIsi	Macintosh LC,LC II -or- Performa 400,405, 410,430	Macintosh LC III, LC 475 -or- Performa 450,460, 466,467, 475,476	Macintosh IIvi,IIvx -or- Performa 600, 600 CD	Macintosh LC 630, Performa 630 -or- Quadra 630	Macintosh Quadra 700,900	Macintosh Quadra 605,610, 650,800, 950 -or- Centris 610,650	Macintosh Quadra 840AV, 660AV -or- Centris 600AV	Apple display Card 4•8,8•24, 8•24GC (revision B)	Apple display Card 24AC	Power Macintosh Workgroup Server 9150
640X480@60Hz		3,4	3,4	3,4	3,4	3,4	3,4	3,4		3,4	3,4
640X480@67Hz	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2,6	1,2,5,6
800X600@56Hz						—	—	—			
800X600@60Hz					3,4					1,2,6	
800X600@72Hz					3,4			3,4			
800X600@75Hz											
832X624@75Hz			2,4		2,4	2,4	2,4	2,4	2,4#	1,2,6	1,2,5,6
1024X768@60Hz								3,4		1,2,6	
1024X768@70Hz								3,4			
1024X768@72Hz											
1024X768@75Hz											
1024X768@75Hz							2,3	2,3		1,2,6	
1152X870@75Hz						1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4	1,2,6	
1280X960@75Hz											
1280X1024@75Hz											

Macintosh COMPUTER / RESOLUTION	Power Macintosh 6100,6100AV, 7100,7100AV, 8100,8100AV -with- DRAM Video Port (HDI-45)	Power Macintosh 7100, 8100, -with- DRAM Video Card (DB-15)	Power Macintosh 6100AV, 7100AV, 8100AV -with- AV Video Card (DB-15)	Power Macintosh 6200	Power Macintosh 7200	Power Macintosh 7500, 8500	Power Macintosh 9500 -with- ATI Video Card	Macintosh PowerBook 160, 165,165C 180,180C	Macintosh PowerBook 520,520C, 540,540C	Macintosh PowerBook Duo 210,230, 250,270C -with- Duo Dock -or- Duo MiniDock	Macintosh PowerBook Duo 210,230, 250,270C -with- Duo DockII
640X480@60Hz	3,4	3,4	3,4	1,2,5,6	3,4	3,4	3,4	3,4	3,4	3,4	3,4
640X480@67Hz	1,2,5,6	1,2,6	1,2,6	1,2,5,6	1,2,6	1,2,6	1,2,6	1,2	1,2,5,6	1,2	1,2
800X600@56Hz		—	—				—	—	—	—	—
800X600@60Hz				1,2,5,6	3,4	3,4	3,4				
800X600@72Hz		3,4	3,4	1,2,5,6	3,4	3,4	3,4				
800X600@75Hz					3,4	3,4	3,4				
832X624@75Hz	1,2,5,6	1,2,6	1,2,6	1,2,5,6	1,2,6	1,2,6	1,2,6	2,4	1,2,5,6	2,4	2,4
1024X768@60Hz		3,4	3,4		3,4	3,4	3,4				
1024X768@70Hz		3,4	3,4				3,4				
1024X768@72Hz					3,4	3,4					
1024X768@75Hz					3,4	3,4	3,4				
1024X768@75Hz		1,2,6	1,2,6		1,2,6	1,2,6	1,2,6				2,3
1152X870@75Hz		1,2,6	1,2,6		1,2,6	1,2,6	1,2,6				1,2,3,4
1280X960@75Hz						1,2,6	3,4				
1280X1024@75Hz						1,2,6	1,2,6				

= Must have revision B of ROM on video board

— = Not working combination.

3. Circuit description

3.1 General

This display monitor consists of six blocks as shown in the following.

(a) Power supply block (PWB-POWER)
(b) Control block (PWB-DISPLAY)
(C) Deflection block (PWB-MAIN)
(d) Video block (PWB-CRT, PWB-DISPLAY)
(e) Vertical deflection block (PWB-DISPLAY)
(f) High voltage block (PWB-MAIN)

Elaboration of each circuit is described with section of hereafter.

This monitor has auto tracking function of digital control and follows automatically input signal of the horizontal frequency; 30 ~ 95kHz and the vertical frequency; 50 ~ 152Hz. The auto tracking function is controlled in the control block.

According to the input sync. signal frequency, the circuit operating is executed by changing over the circuit in the most suitable state.
The control block outputs the most suitable control signal by distinguishing input frequency.
The control block controls the picture size and position.

3.2 Power supply block

3.2.1 General

(1)The power supply block corresponds to AC100V-120V and 220V-240V.

(2)Power circuit of this monitor has the harmonic current restrain and function of power factor improvement by using MS (Magnetic switch : the control inductor utilized magnetic action of transformer). (This is called MS system power supply.)

(3)Power supply block is sorted by the main and the sub power supply sections, and SUB power supply section only works in the suspend and power-off mode. Each section of the power supply consists of the switching regulator by RCC circuit (Ringing Choke Convertor). By feeding back the output voltage via the photocoupler, the power is controlled so that the secondary side out put voltage does not change due to the AC input voltage fluctuation and the secondary side load fluctuation.

(4)The secondary side output of this power supply block is as shown in Table 1.

Table 1.

Power supply block	Output voltage	Main load
Main power supply section	200V	Horizontal deflection, video circuit
	75V	Video circuit, High voltage circuit
	28V	Vertical circuit
	14V	Horizontal deflection, High voltage circuit
	12V	Control circuit, Vertical circuit
	-12V	Control circuit, Vertical circuit
Sub power supply section	7V	CRT heater, Video circuit
	5V	Control circuit

3.2.2 MS-RCC (MS system choke current discontinuity transmission power supply)

1. MS-RCC (MS system choke current discontinuity transmission power supply) basic circuit
   The switch of MS-RCC is changed from the usual two switches of two steps converters that active filter of pressure up type is connected to preceding step of RCC to one. MS-RCC can work with a switch by the auxiliary winding of transformer called MS (Magnetic switch). The circuit diagram is shown in figure1.

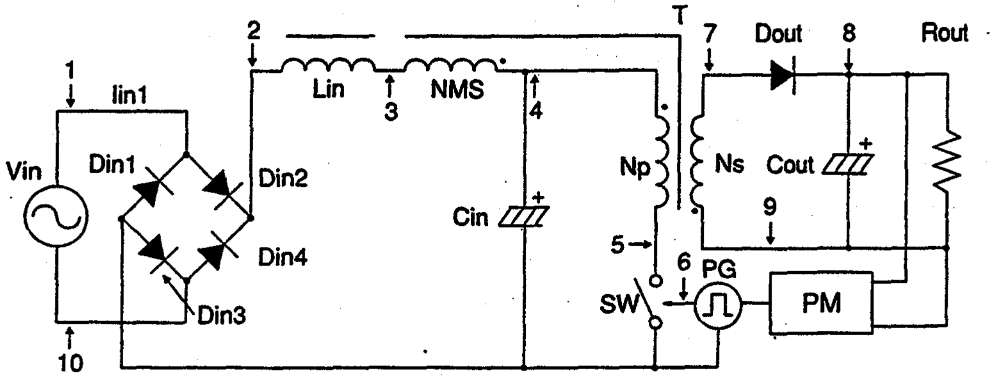


Figure 1. MS fly back current discontinuity transmission

The auxiliary winding of transformer used as MS (Magnetic switch) in figure 1 is called MS winding. The polarity of MS winding is constituted as electric potential of node 3 becomes lower than node 4 when the switch continues. Accordingly node 3 synchronizes with node 5 and the same polarity changes according to ON/OFF of the switch. So it equivalents to that there is one switch between node 3 and ground. Active filter of pressure up type is formed by this MS and Lin inductor between node 2 and 3.

- Active filter of pressure up type of current discontinuity transmission mode has the characteristic to improve power factor fundamentally as peak current is in proportion to input voltage when supposing ON time of the switch is constant. Similarly the power factor of this MS-RCC is improved automatically.

2. MS-RCC operating

Operating waveform of MS-RCC is shown in figure 2. Actuating is divided into two transmission mode fundamentally.

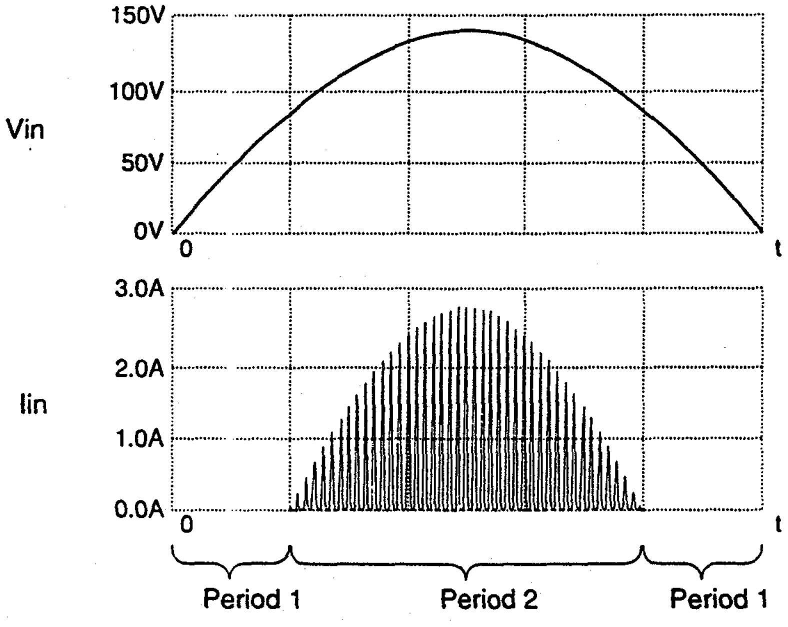
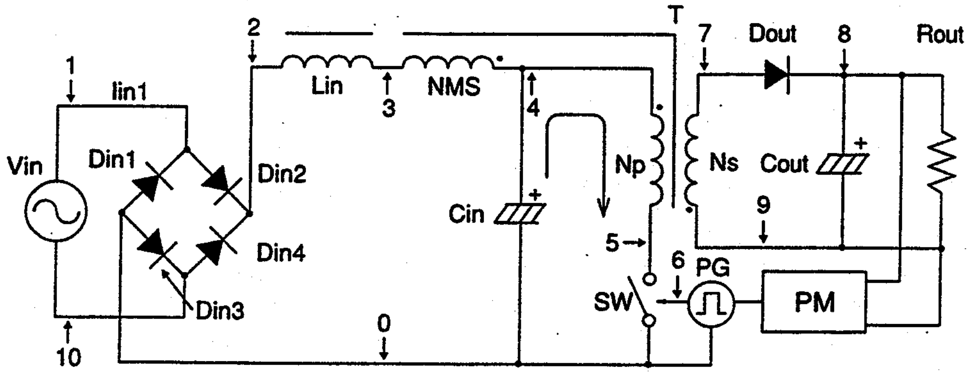


Figure 2. MS-RCC operating waveform

Circuit description

<Period 1>

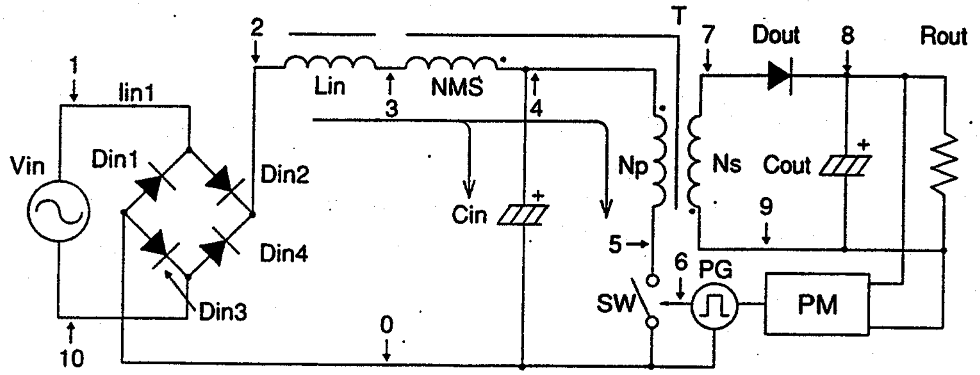
As input voltage is lower than that of node 3 of switching ON, input current does not drift in period 1.



T
1
2
3
4
5
6
7
8
9
10
0
Iin1
Vin
Din1
Din2
Din3
Din4
Lin
NMS
Cin
Np
Ns
Dout
Cout
Rout
SW
PG
PM

<Period 2>

As input voltage is higher than that of node 3 of switching ON, the current in proportion to input voltage drifts in period 2.



T
1
2
3
4
5
6
7
8
9
10
0
Iin1
Vin
Din1
Din2
Din3
Din4
Lin
NMS
Cin
Np
Ns
Dout
Cout
Rout
SW
PG
PM

3.2.3 Rectifying smoothing circuit

(1)The AC input voltage is rectified with the diode bridge in IC904 and is smoothed with C909 and C920. This rectifying circuit executes the automatic change-over that rectifies the voltage doubler in commercial input voltage 100 V and the full-wave in input voltage 220 V.
The operating is described to the following.

(2)The negative half wave is charged to C942 by D911 and D912 when input switch is ON. Charging current flows to C943 by internal resistance of IC905 with charge of C942, but is behind the start of voltage by internal resistance of IC and time constant of C943.
IC905 becomes full-wave rectification when the voltage between C942 becomes change-over operating voltage 205V (Commercial input voltage is approx.5V), and becomes voltage doubler when the voltage between C943 reaches 7.6V first. 14
As the voltage between C942 doesn't reach 205 V in commercial input voltage 100 V, the voltage between C943 reaches 7.6V, and IC905 switches ON (Junction between 2 pin and 3 pin) and becomes voltage doubler.
As the voltage between C942 reaches 205V in commercial input voltage 220V first, IC905 keeps OFF (Open between 2 pin and 3 pin) state and becomes full-wave rectification.

(3)To add to the bridge commutation operating, IC904 has the function to prevent rush current in powering ON.

3.2.4 Demagnetizing circuit

(1)This unit has the demagnetizing circuit by auto and manual operation.
This circuit prevents a drop in the picture performance due to magnetization of the CRT. The automatic demagnetizing circuit functions as described below when the power is turned on.

(2)When the demagnetizing signal from the CPU is supplied to Q903, Q903 energies the conductivity relay RY901 with that signal.
With this, a current is flowed to the demagnetizing coil and demagnetizing takes place.
This demagnetizing time is approx. five seconds.

(3)The manual demagnetizing circuit executes the demagnetizing with the same type of operation as above when the demagnetizing switch on the front panel is pressed and the demagnetizing signal is output from the CPU.

3.2.5 Sub power supply section

(1)Primary circuit

When powering on, base current flows to transistor Q1 in IC931 via starting resistance R933 and R944 of sub power supply section, and Q1 starts. When Q1 is turned on, collector current begins to flow and input voltage is applied to Np winding (between 4 and 6 pin) of power transformer T931. Voltage generates to Nc winding (between 1 and 2 pin) by winding ratio and base current is applied to Q1. Simultaneously with this, when charging C2 and the electric potential of C2 increases to Vbe=0.7V, Q2 is turned on and Q1 turns off. When Q1 is turned off, the energy saved to power transformer T931 is output through D981. D981 is turned off when running out of this energy, but Ns winding (between 12 and 14 pin) has slight residual energy and the voltage generates to base winding Nc by this energy and turns Q1 on again and continues the switching operating.
Shunt regulator IC982 detects the output voltage on the secondary side and feeds back the voltage fluctuation on the secondary side via photocoupler IC906. The regulator changes the charging time of C2 in IC931 and controls ON time of transistor Q1 to make the constant-voltage.
Power transformer T931 has the winding for main power supply section HIC (IC901) starting (between 1 and 8 pin). When input voltage is applied to Np winding the same as Nc winding, the voltage generates by the winding ratio and is rectified to the half-wave by D904 and is output.

(2)The voltage output from T931 is rectified to the half-wave by D981. The voltage is applied to the micro computer after dropping by three terminal regulator IC981 to 5V, and the micro computer starts. When the micro computer starts, the power off signal (P-OFF) and the power suspend signal (P-SUS), which is output from the micro computer , change to Hi. Q987, Q988, Q981, Q986 and Q985 are turned on and the voltage is applied to heater.
Q983 is turned on and the current flows to the photocoupler IC903, and switch on the ON / OFF switch Q902 on the main power supply section HIC (IC901).

3.2.6 Main power supply section

(1)Primary circuit

10 pin terminal of IC901 becomes Low by SUB power supply and oscillation starts to work. Starting voltage is applied to C916 through D904, R945 and R911 and the control circuit starts to work when Vcc terminal voltage reaches starting voltage (DC15V).
(As Vnc terminal has no signal when starting, the above formula is unable to turn the main MOSFET to on. IC901 built-in the oscillator that oscillates by approx. 30kHz so that the oscillation operating can last when IC901 has no Vnc signal. Oscillation operating lasts as the steady oscillation after detecting the Vnc signal.)
In the steady oscillation operating, Vcc power supply is applied from the auxiliary winding (T901 between 1 and 2 pin) through D903 and R911.
Main power supply section detects the output voltage on the secondary side by the shunt regulator IC951, and controls the feedback of the voltage fluctuation in the secondary side via the photocoupler IC902.
ON time control is executed by changing the reference voltage of Ton circuit in IC901 to make the constant voltage of output voltage.

(2)Secondary circuit

The voltage output by T901 is rectified to half wave by D952, D953, D954, D955, D956 and D957 and is applied to each circuit.

3.2.7 Power management function

(1)This monitor has the power management function. This function works when connecting and using the personal computer having the power management function. The power management function changes in the state of input signal and has four modes; normal, stand-by, suspend and power off.
the displaying state of consumption power and power-on indicator is as follows.

Mode	Consumption power	Restored period	Power-on indicator
Normal	150W or less		Power ON
Stand-by	100W or less	immediately	Flickering (0.5-second interval)
Suspend	15W or less	Approx. 3 sec.	Flickering (Two-second intervals)
Power-off	8W or less	Approx. 12 sec.	Flickering (ON for 3 sec. / OFF for a sec.)

Control signal to execute power management function is output from micro computer.
The restoration from stand-by, suspend and power off modes is executed by sync. signal input.

Mode	Sync. signal		State	Picture display
	H	V		
Normal	ON	ON		Displayed
Stand-by	OFF	ON	NO VIDEO	No signal
Suspend	ON	OFF	ON for CRT heater only	No signal
Power-off	OFF	OFF	OFF for CRT heater only	No signal

(2)Suspend (P-SUS) mode

When the power suspend (P-SUS) signal from the micro computer changes over to Low, Q983 is turned off. As the current does not flow to IC903, the feedback to the primary circuit is not executed and Q902 turns off. As 10 pin of IC901 (ON/OFF switch in IC901) changes over to High, IC901 stops oscillating.

Q986 and Q985 are off and the heater voltage is dropped by R991 to approx. 5V (approx. 6.1V in normal) and the electron tube heater is always warmed so that the picture comes again on the screen immediately.

(3)Power off mode

When the power suspend (P-SUS) and the power off (P-OFF) signals from the micro computer changes over to Low, IC901 stops oscillating.

Q987, Q988, Q982 and Q981 are off, and the heater voltage output and the voltage output to the rotation coil are stopped. When the monitor is in power-off mode, the power supply only of the micro computer is secured.

3.2.8 Protective function

To protect circuit when unexpected abnormality occurred, overload protection, overcurrent protection and overheat protection functions are kept in power circuit section of this monitor.

(1)Overload protection function

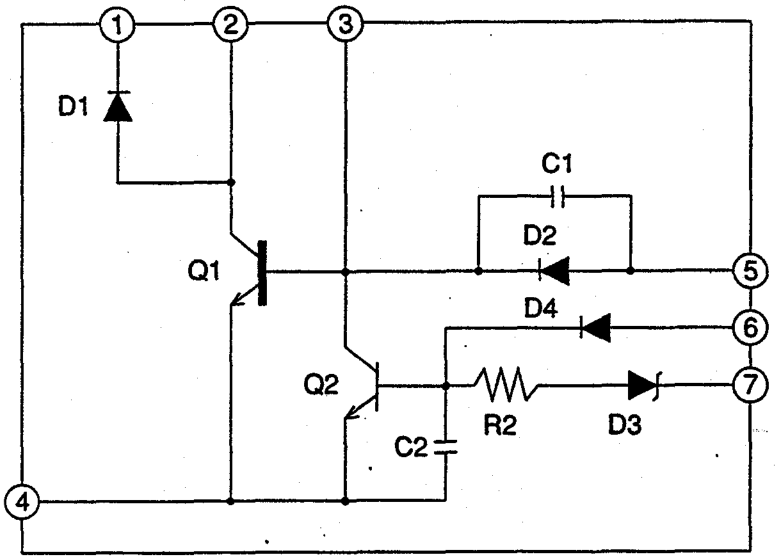
When the output voltage on the secondary side increases, the auxiliary winding voltage (T901 between 1 and 2pin) by the winding ratio of T931 increases. When the voltage that passed D914 and R915 exceeds the zener voltage of D905, the voltage takes to 9 pin (latch terminal) of IC901 and IC901 enters to the latch mode and stops to oscillating. The threshold value of latch terminal is from 1.9V to 2.3V.

(2)Overcurrent protection function

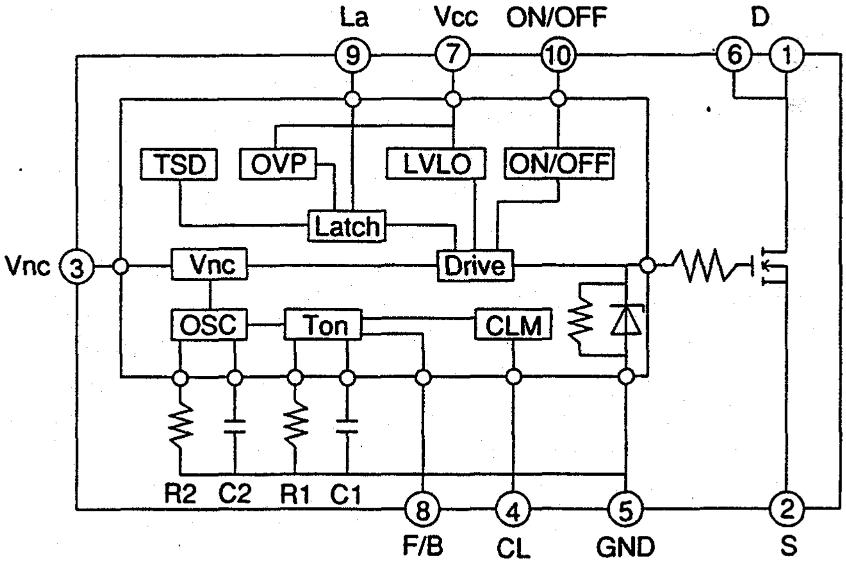
When the load on the secondary side is overload state, the current limit that is the function of IC901 works. When the current limit works, the output is controlled to the constant power, so when output current increases, output voltage decreases. As the output voltage is proportional to the auxiliary winding voltage (T901 between 1 and 2 pin), the control circuit in IC901 is turned off and stops to oscillate when the auxiliary voltage decreases to the operating stop voltage. After that, the oscillation operating starts when the auxiliary voltage reaches the starting voltage by Vcc voltage from sus power. If the load is in the overload state, the intermittent oscillation operating repeated the above operating continues.

(3)Overheat protection

When some abnormality occurred while operating and IC901 heated abnormally, the oscillation operating stops at 150°C of the upper limit of semiconductor by the temperature detection function.


1
2
3
4
5
6
7
D1
C1
D2
Q1
D4
Q2
R2
D3
C2

<IC931 Equivalent circuit>
(MA2810)


La
Vcc
ON/OFF
D
9
7
10
6
1
TSD
OVP
LVLO
ON/OFF
Latch
Vnc
3
Vnc
Drive
OSC
Ton
CLM
R2
C2
R1
C1
8
4
5
2
F/B
CL
GND
S

<IC901 Block diagram>
(MA6930)

3.3 Deflection block

The deflection system consists of the horizontal and high voltage circuits.

3.3.1 Horizontal deflection circuit

(1)The theory of the horizontal deflection operation is as shown in Figure 3. Q503 functions as the horizontal output, and D505, D506, D507, D508 and D509 as dumper diodes.
Q515 to Q520 changeover according to the horizontal frequency to compensate the horizontal linearity.

(2)The horizontal output transistor Q503 passes through Q502, Q722 and Q723 in PWB-CONTROL at the circuit diagram, and is turned ON/OFF by 16 pin of IC700 drive pulse via the control PCB IC715.
While Q503 is ON, the deflection current IDY is increased from 0 to a maximum of Ip according to the following expression.

$$Ip = (Vcc/LDy) \times Ton$$

(LDy: Parallel value of horizontal output transformer and DY)

When the drive pulse reaches a negative polarity, Q503 turns OFF, and IDy flows until Vcp is charged to $\{1 + (\pi/2) \times (Ts/Tr)\}$. When Vcp reaches the maximum value, the charge accumulated in C510 and C511 is flowed to Dy as the electrical discharge current.
This charge discharge period is called the "retrace period", and is expressed with the following expression.

$$Tr = \pi\sqrt{LDy\ Cr}$$

When Vcp reaches 0, the dumper diode turns ON, and IDy flows from -IP to 0 amperes. The Q503 ON period and dumper diode ON timer are set so that they overlap at the IDy 0 ampere point, so cross over distortion does not occur at the IDy 0 ampere point.
D505 ~ D508 are high-speed dumper diodes that conductor excessive current, and the main dumper voltage flows through D509.
The horizontal output transformer T502 connects the power in parallel with the deflection yoke, and functions as a choke coil.

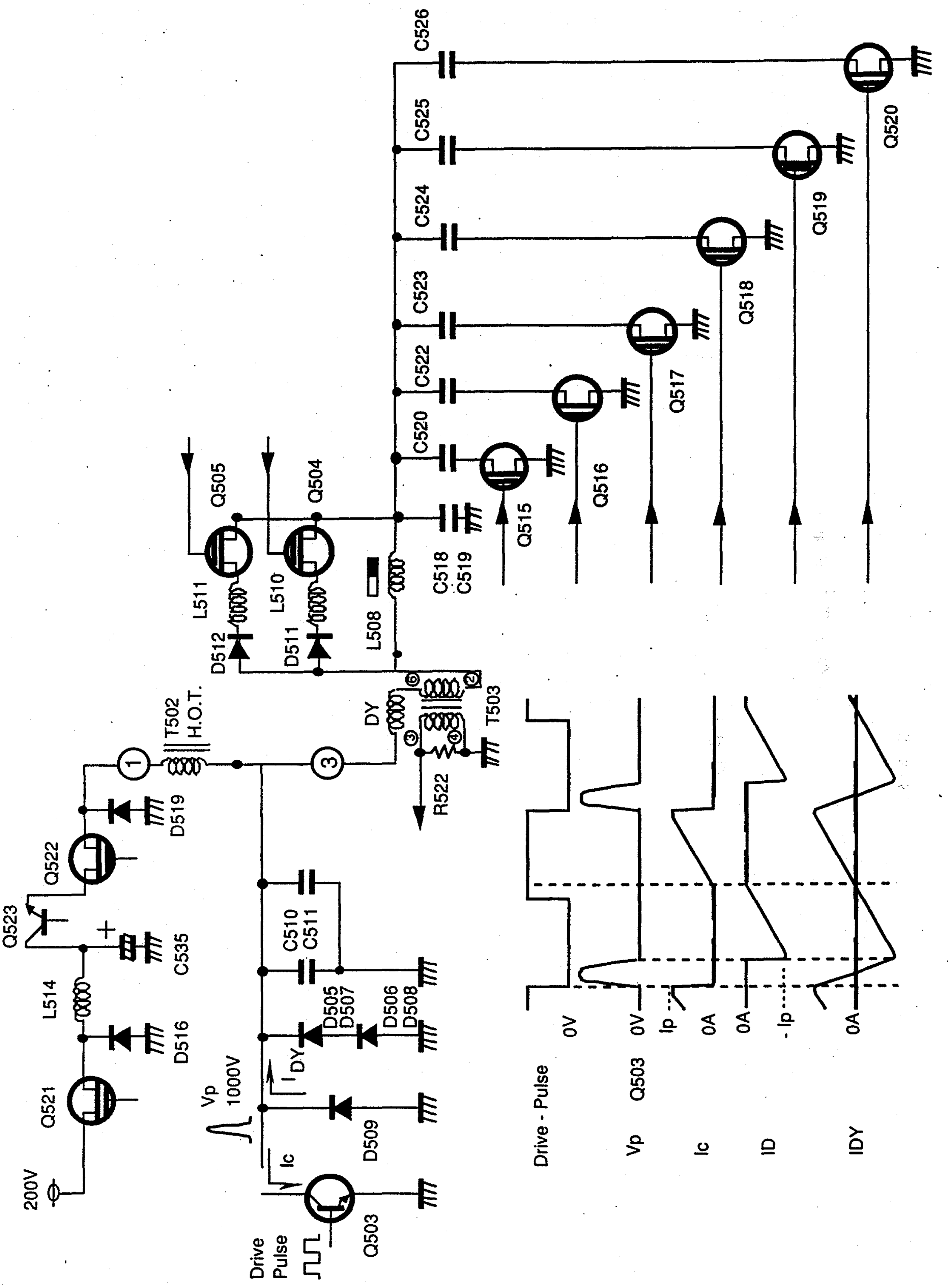
(3)The horizontal picture size is controlled by Q521, D516, L514, C535 that configure the DC-DC converter and IC701. The horizontal deflection current value is converted to the voltage by T503 and is fed back to 17 pin of IC701 on the control PWB.
The feedback voltage and horizontal picture size control voltage 18 pin are controlled to be same electric potential and the rectangular wave is output from17 pin. The Q521 gate is driven by this output to maintain a stable horizontal picture size. By controlling the horizontal picture size variation through CPU control of 39 pin of IC708 voltage, the DC voltage of C535 will change, and the horizontal picture size will change.

(4)The side PCC circuit is controlled by Q522, D519, IC700, IC701, IC702, IC703 and IC715 as the chopper of the DC voltage stabilized at both ends of C542. Each distortion compensating signal applied on 2 pin of IC701 from IC703 is compared with the sawtooth blade synchronized with the horizontal synchronization created in IC801, and is then converted into a rectangular wave PWM signal. The side PCC control can drive the Q522 gate from 1 pin of IC715 by this PWM.

(5)Horizontal position adjustment (left/right balance adjustment)
The horizontal position and left/right composite signal configured by IC5A1, Q5A1, IC5A2 and IC702 and applied to IC5A1 from 28 pin of IC702 controls 2 pin of the IC5A2, and supplies a DC voltage or a vertically synchronized PIN, KEY or free dynamic current from 4 pin of IC5A2 through L5A1.

(6)Q504 and Q505 change the horizontal linearity compensation coil, and L510 and L511 turn ON in parallel with the horizontal linearity compensation coil L508 to compensate the horizontal linearity with the horizontal frequency.

Figure 3. Horizontal deflection circuit principle


200V
Q521
D516
L514
C535
Q523
Q522
D519
①
T502
H.O.T.
③
DY
T503
⑥
②
③
④
R522
Vp
1000V
I DY
Ic
Drive
Pulse
Q503
D509
D505
D507
D506
D508
C510
C511
D512
D511
L511
L510
Q505
Q504
L508
C518
C519
C520
C522
C523
C524
C525
C526
Q515
Q516
Q517
Q518
Q519
Q520
Drive - Pulse
Q503
Vp
Ic
ID
IDY
0V
0V
Ip
0A
0A
- Ip
0A

3.3.2 High voltage circuit

(1)The collecer pulse of the horizontal deflection is divided into 1/20 and the pulse is input in 4 pin of IC501, and Q601 is switched with the horizontal cycle. Energy is supplied to the high voltage coil when Q601 turns ON, and generates a high voltage.
To keep the high voltage constant regardless of the horizontal frequency or beam current amount, the high voltage is divided into approx. 1/5400 by the bleeder resistor in T601 and is then applied onto 6 pin of IC601 and compared with the reference voltage in the IC.
The gate pulse width of Q601 is changed by the output from 1 pin of IC601 so that two voltages become the same potential.
In this manner, feedback control is executed so that the high voltage is always constant.
The high voltage is set by VR601 (HV-ADJ). (27.0KV standard)

(2)The pulse detected by the third winding of T601 is rectified by D605 and C605. When the high voltage exceeds 31.2KV, the voltage becomes 20.99V and is applied to 4 pin of IC602 and exeeds the reference voltage in the IC. The high voltage is ouput from 8 pin of IC and stops the high voltage control pulse ourput from 1 pin of IC601 to shut down the high voltage circuit.

(3)The beam current flowed to T601 is detected at R611, input into 7 pin of IC602, and then compared with the reference voltage of the IC. If the beam current exceeds approx. 1400μA, the high voltage is ouput from 8 pin of IC and stops the high voltage control pulse ourput from 1 pin of IC601 to shut down the high voltage circuit.
This state is not released until the power switch is turned OFF.

3.3.3 TCO circuit

TCO circuit divides the voltage of the horizontal output pulse by C539 and C540 and amplifies inversely by Q5F1, Q5F2 and Q5F3, and applies the cancel pulse voltage to TCO cancel pulse.

3.3.4 DBF circuit

The DBF circuit is used to optimize the circuit at the center and periphery of the screen.
There are two focus electrodes, and a divided anode voltage is applied on both electrodes. The horizontal (approx. 350V) and vertical (approx. 150V) parabola waves are overlaid on the dynamic (F1) via the capacitor.
The horizontal and vertical parabola waves are created by IC703, and after being amplified by Q6E4, Q6E2, Q6E3 and Q6E1, are applied on the fly-back transformer T601.

3.4 Control block

Figure 4 shows the block diagram of the control PWB, and consists of IC105 of 8 Bit CPU, IC703 and IC704 generating and controlling the picture distortion and DBF waveform, IC203 separating the sync. signal, IC714 of the horizontal and vertical oscillation operating, IC701 controlling +B voltage, IC102 of nonvolatile memory and IC100 and IC104 of D/A converter.

3.4.1 Adjustment and timing judgement

Information input to the CPU (IC105) includes the brightness, contrast, screen size and position key input information from the front panel switches is transferred via resistance. The horizontal and vertical sync.signals and sync. signal polarity are transferred via the synchronizing separated (IC203).

The horizontal and vertical sync. signal frequencies are measured by counting the cycle with the timer built into the CPU. The data such as the screen size and position preregistered in IC102 based on the sync. signal frequency and polarity is read out to the built-in RAM by IC105. This information is output to the picture distortion control IC (IC703 and IC704) and D/A converter (IC100 and IC104) shown in the block diagram.

3.4.2 Automatic tracking operation

Horizontal automatic tracking operation:

IC105 output the input data proportional to the horizontal sync. signal frequency to the D/A convertor IC104 (DAC25) as H-OSC-MAIN. The linear interpolation is calculated based on the frequency fine adjustment data (five points: HOSCLOW, HOSCM1, HOSCM2, HOSCH1, HOSCH2) registered in IC102 at the factory adjustment. This is output to the D/A convertor IC104 (DAC16) as H-OSC-SUB. The above H-OSC-MAIN and H-OSC-SUB are added by IC100, and output to IC714 (horizontal oscillation control IC) as the horizontal oscillation control voltage. The capacity of the horizontal oscillation capacitor in IC714 is changed according to the range of the horizontal frequency near 86kHz by the IC105 S-OSC signal.

Horizontal +B voltage control operation:

Following the input horizontal sync. signal frequency, IC105 calculates the linear interpolation based on the adjustment data per frequency data (two points: +BLOW and +BH1) registered in IC102 at the factory adjustment. This is output to the D/A convertor IC104 (DAC13) as the +B control voltage. The +B control voltage and the horizontal picture size control voltage output from the D/A convertor IC104 (DAC14) are added and input to IC701 (#18).

The other hand, feedback signal (IDY-FB) executed the voltage conversion of the horizontal deflection current and the above control signal are differential amplified in IC701 and are compared with the sawtooth wave of IC701 (#4) and the pulse width control voltage is output from IC701 (#11).

Horizontal output transistor drive condition control operation:

Following the input horizontal sync. signal frequency and horizontal picture size adjustment data, IC105 outputs the drive control voltage calculated the linear interpolation based on the adjustment data per horizontal picture size/frequency (eight points: H-DRIVE-N-LOW, H-DRIVE-N-M1, H-DRIVE-N-ME, H-DRIVE-N-HI, H-DRIVE-W-LOW, H-DRIVE-W-M1, H-DRIVE-W-M2, H-DRIVE-W-HI) registered in IC102 at the factory adjustment to the D/A converter IC104 (#24).

The other hand, the differential between the horizontal drive control feedback voltage (H-DR-FB) and the above drive control voltage is compared by the pulse width control circuit consisted of IC700 and IC715, and the pulse control voltage is output via the push-pull consisted of Q700 and Q701.

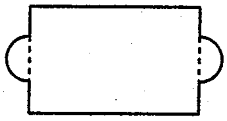
3.4.3 Distortion compensation operation

The compensation waveform for distortion compensation is realized by IC703 analog waveform generation function.

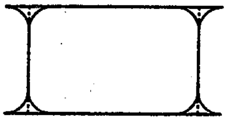
(1)S-PCC compensation process

The following waveforms are compounded in IC705, the compound waveform is output from #8.

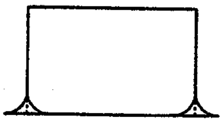
PCC-CENTER (IC710 #7)



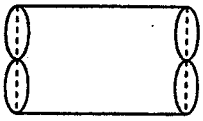
CORNER-PCC (IC704 #30)



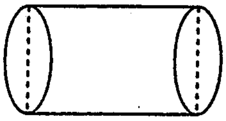
BOTTOM-PCC (IC705#1)



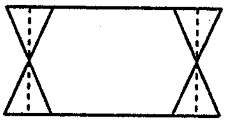
PCC-SINE (IC705 #31)



V-PARA (IC703 #32)



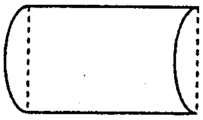
PCC-PHASE (IC703 #33)



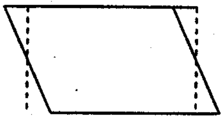
(2)PIN/KEY balance compensation process

The following waveforms are compounded in IC702, the compound waveform is output from #7.

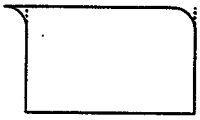
PIN-BALANCE (IC705 #8)



KEY-BALANCE (IC701 #37)



TOP-BALANCE



* H-CENT (IC704 #12) is also compounded in IC702.

3.4.4 Vertical deflection circuit

The vertical deflection consists of IC (IC400) on the PWB-CONTROL and the peripheral circuits. The oscillation frequency is controlled by IC400.

The picture size is controlled by the control signal from IC105 (CPU) and the analog switch IC403.

The vertical linearity is controlled by the analog switch IC404 and IC405.

The picture position is controlled by IC105 (CPU) and Q401, Q402 and Q403 work as the current driver.

3.4.5 Horizontal static convergence circuit

The horizontal static convergence circuit is a circuit where the mis-convergence at the side of the X-axis is compensated. The adjustment is done by flowing a DC current to the coil wound on the DY neck side. R and B function symmetrically to the left and right in regard to G.

The plus or minus DC current is flowed to the H-STATIC coil from 14 pin of IC716.

3.4.6 Rotation circuit

The rotation circuit is a circuit that compensates the inclination of the picture caused by earth magnetism. The adjustment is done by flowing a DC current to the coil wound on the front side of DY.

The plus or minus DC current is flowed to the rotation coil from 1 pin of IC716.

3.4.7 Auto canceller circuit

The auto canceller circuit consists of the auto cancel kid and the purity coil/manual compensation control circuit. It works by extinguishing the external magnetic field near the CRT surface to compensate automatically the irregularity of luminance and the raster rotation due to the magnetic field of CRT tube axis.

3.4.8 Moire cancel circuit

The moire cancel circuit is constituted by oscillating the picture in right and left every 1 line, and decreases the interference fringe of line pattern appeared in the picture.

3.5 Video block

3.5.1 Video signal amplifying circuit (G-Channel only)

Each video circuit of R, G and B is the same structure. This section describes the G (Green) video circuit only.

The video signal is input to 4 pin (D-SUB input) and 12 pin (BNC input) of IC206 for change-over. Input of 4 pin is selected when 17 pin is low and 12 pin when is high, and is output from 28 pin. The output from 28 pin of IC206 is input to 3 pin of IC200. Video signal, the video signal for adjustment picture (OSD) and clamp signal are compounded and output from 35 pin.

The blanking signal output from 6 pin of IC712 is input to the base of Q211 and works blanking. The output from 35 pin of IC200 is input to 10 pin of the main amplifier IC300 and amplified. The output from 12 pin of IC300 is compounded with the cut off voltage (Video output bias) output from 14 pin of IC301 after AC coupling in C320. After compounding, the output is applied to CRT cathode via the lead wire. The cut off voltage (Video output bias) is varied by the cut off control voltage input to 7 pin and the brightness control voltage input to 8 pin of IC301.

3.5.2 Synchronizing separated circuit

The sync. signal input from D-SUB connector is input to 7 pin (Horizontal) and 8 pin (Vertical) of IC206, and also the sync. signal input from D-SUB connector is input to 15 pin (Horizontal) and 16 pin (Vertical) of IC206. The output selected same as the video signal is input to 1 pin (Vertical) and 4 pin (Horizontal) of IC203. IC203 is for the sync. signal separating and each separated output of the horizontal and the vertical is output from 21 pin (Vertical) and 18 pin (Horizontal).

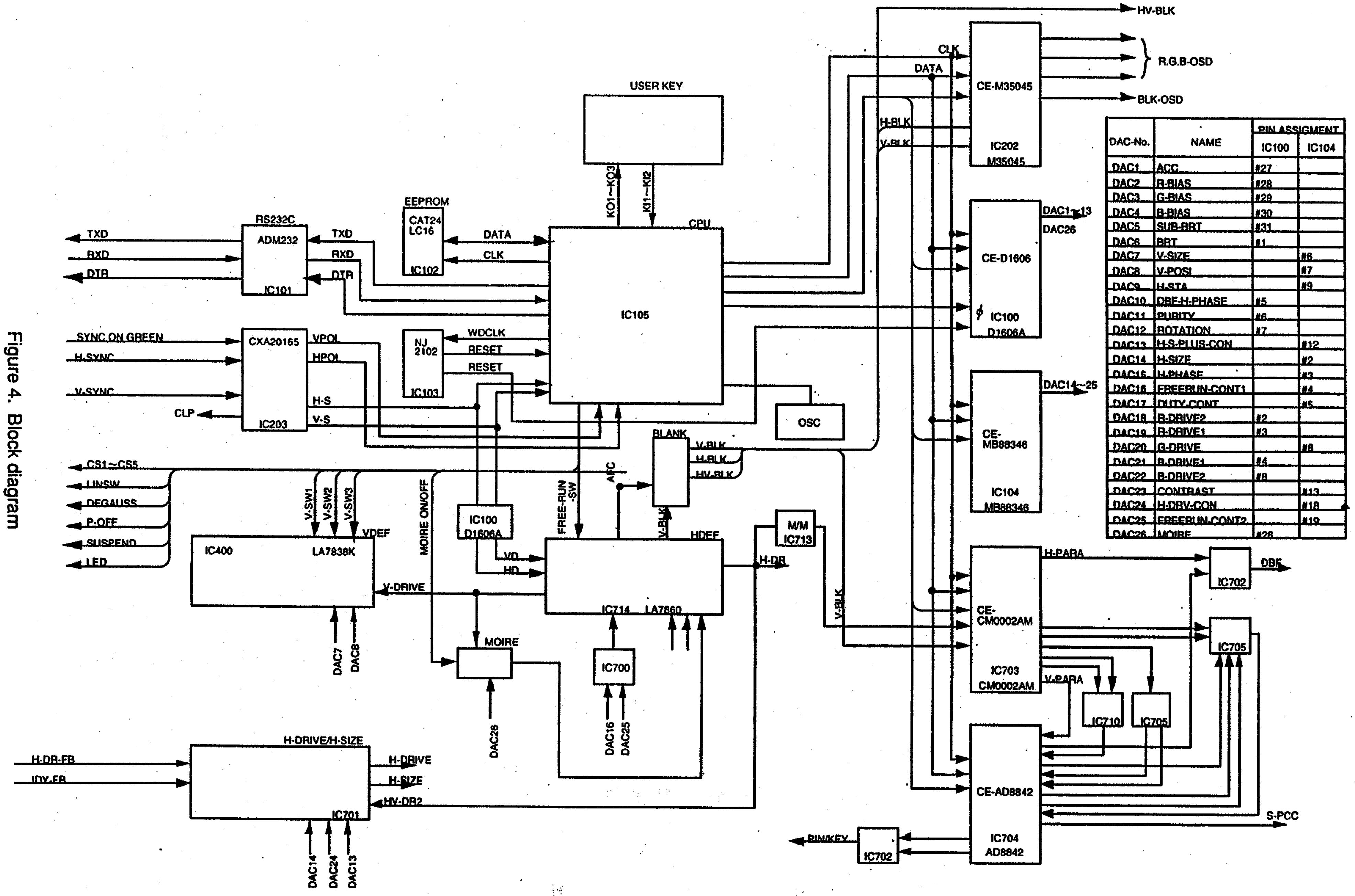
The sync. on green signal input is input to 7 pin of IC203 and is separated to the composite synchronizing and then is output same as the above.

The clamp pulse selects the output of 13 pin of IC203 when having the sync. signal and is input to 18 pin of IC200. The pulse of which waveform is formed by the collector pulse is used as the clamp pulse.

3.5.3 On Screen Display circuit (OSD)

The control signal of the adjustment picture (OSD) is input to 4 pin of IC202 (CE-M35045), 5 pin (CLK), 6 pin (DATA), 18 pin (H-BLK) and 19 pin (V-BLK).

The output signal from 12 pin (BLKO), 13 pin (ROSD), 15 pin (GOSD) and 17 pin (BOSD) is compounded with the video signal in IC200.


HV-BLK
R.G.B-OSD
BLK-OSD
CLK
DATA
H-BLK
V-BLK
CE-M35045
IC202
M35045
DAC1~13
DAC26
CE-D1606
IC100
D1606A
DAC14~25
CE-MB88346
IC104
MB88346
H-PARA
V-PARA
CE-CM0002AM
IC703
CM0002AM
CE-AD8842
IC704
AD8842
IC702
DBF
IC705
IC710
S-PCC
PIN/KEY
USER KEY
KO1~KO3
KI1~KI2
CPU
IC105
EEPROM
CAT24
LC16
IC102
DATA
CLK
RS232C
ADM232
IC101
TXD
RXD
DTR
NJ
2102
IC103
WDCLK
RESET
RESET
CXA20165
IC203
SYNC ON GREEN
H-SYNC
V-SYNC
CLP
VPOL
HPOL
H-S
V-S
OSC
BLANK
V-BLK
H-BLK
HV-BLK
AFC
FREE-RUN -SW
IC100
D1606A
VD
HD
HDEF
IC714
LA7860
H-DB
M/M
IC713
IC700
DAC16
DAC25
MOIRE
MOIRE ON/OFF
DAC26
V-DRIVE
IC400
LA7838K
VDEF
V-SW1
V-SW2
V-SW3
DAC7
DAC8
CS1~CS5
LINSW
DEGAUSS
P-OFF
SUSPEND
LED
H-DRIVE/H-SIZE
IC701
H-DB-FB
IDY-FB
H-DRIVE
H-SIZE
HV-DB2
DAC14
DAC24
DAC13

DAC-No.	NAME	PIN ASSIGMENT	
		IC100	IC104
DAC1	ACC	#27	
DAC2	R-BIAS	#28	
DAC3	G-BIAS	#29	
DAC4	B-BIAS	#30	
DAC5	SUB-BRT	#31	
DAC6	BRT	#1	
DAC7	V-SIZE		#6
DAC8	V-POSI		#7
DAC9	H-STA		#9
DAC10	DBF-H-PHASE	#5	
DAC11	PURITY	#6	
DAC12	ROTATION	#7	
DAC13	H-S-PLUS-CON		#12
DAC14	H-SIZE		#2
DAC15	H-PHASE		#3
DAC16	FREERUN-CONT1		#4
DAC17	DUTY-CONT		#5
DAC18	R-DRIVE2	#2	
DAC19	R-DRIVE1	#3	
DAC20	G-DRIVE		#8
DAC21	B-DRIVE1	#4	
DAC22	B-DRIVE2	#8	
DAC23	CONTRAST		#13
DAC24	H-DRV-CON		#18
DAC25	FREERUN-CONT2		#19
DAC26	MOIRE	#26	

Figure 4. Block diagram

IC703 PIN FUNCTION

Pin No.	Terminal name	Function	Pin No.	Terminal name	Function
1	VEE-1	GND	25	VEE-3	-5V
2	HO1C	-	26	N/C	-
3	HO2C	-	27	HO-2	DBF-H-AMP
4	HBTMDET		28	HO-1	DBF-H-BALANCE
5	HPARAC		29	GND-4	GND
6	HPEKDET		30	VO-4	CORNER-PCC
7	HRETDET		31	VO-3	PCC-SINE
8	HRETC		32	VO-2	V-PARABOLA
9	HSAWDET		33	VO-1	PCC-PHASE
10	HSAW		34	VO4C	VO4C
11	GND-2	GND	35	VO3C	VO3C
12	GND-3	GND	36	VO2C	VO2C
13	VBLKO		37	VO1C	VO1C
14	HBLK		38	VCC-1	5V
15	VBLK	V-BLK	39	VSAWC	
16	VEE-2	-5V	40	VSAWDET	
17	MUTE (-)	PULL UP	41	VRETC	
18	CK (-)	CLK	42	VRETDET	
19	DATA	DATA	43	N/C	
20	CE (-)	CE-CM0002AM	44	VBTMDET	
21	VCC-2	5V	45	VPARAC	
22	INJ		46	VPEKET	
23	CSEL-1	PULL UP	47	GND-1	GND
24	CSEL-2	PULL UP	48	REFR	

IC704 PIN FUNCTION

Pin No.	Terminal name	Function	Pin No.	Terminal name	Function
1	Vout C	PIN BALANCE	13	Vout H	PCC-AMP
2	Vout B	DBF-V-AMP	14	Vin G	
3	Vout A	CENTER-PCC	15	Vin H	
4	Vin B		16	LD	CE-AD8842
5	Vin A		17	CLK	CLK
6	GND	GND	18	SDO	-
7	PR (-)	PULL UP	19	Vss	-5V
8	Vin E		20	SDI	DATA
9	Vin F		21	VDD	5V
10	Vout E	BOTTOM-PCC	22	Vin D	
11	Vout F	TOP-BALANCE	23	Vin C	
12	Vout G	H-POSI	24	Vout D	KEY-BALANCE

3.6 Software

3.6.1 General

(1)Input frequency range

Horizontal : 30 ~ 95 kHz (Lower limit 29kHz Upper limit 96 kHz)
Vertical : 50 ~ 152 Hz (Lower limit 48kHz Upper limit 152 kHz)

(2)Memory timing

Preset timing : 16 timings
User timing : 12 timings

3.6.2 Frequency change detecting function

When inputting the normal signal, check the input frequency usually. In case of not satisfying the following conditions a., b. and c., judge the frequency having change. When detecting the frequency change, compare the directory data written at EEPROM with the directory data of input signal in the following order of the following (1) ~ (3), and read and output the picture data.

(1)When satisfying the all of the conditions a., b. and c., judge the signal is same as the signal memorized the directory data, and read and output the timing data from EEPROM.

a. Both the polarities of the horizon and vertical input sync. signals are same.
b. The difference of the horizontal frequency is within 1kHz.
c. The difference of the vertical frequency is within 2.5Hz.

(2)When the same timing is not registered, detect the timing data satisfying the conditions b. and c.. If the data exists, read and output the timing data from EEPROM.

(3)When the timing satisfying the conditions b. and c. is not registered, read and output picture data of the timing horizontal frequency is the nearest in the timing picture data is already memorized.

3.6.3 Writing of the directory data

(1)Preset timing

When operating the adjustment picture in the factory mode (1 or 2) or receiving the message of the factory write command by communication, renew the directory data. This operation is executed to get rid of error of the frequency counting value that the directory data and the monitor have in initializing.

(2)User timing

When inputting the new timing and operating the adjustment picture, renew the directory data. When 12 user timings are already memorized, erase the first of the user timing and write at the part. When the new user timing is input, it is memorized at the second. Renew it in old order in the same way as follows.

3.6.4 Picture adjustment function

This monitor has the picture adjustment with OSD and communication. The function has the following five adjustment modes.

a. Normal mode
b. Enhanced mode
c. Factory 1 mode (It enters with the operation on the front panel.)
d. Factory 2 mode (It enters with the operation by SW101 on the PWB-CONTROL.)
e. Free running mode

As to each adjustment mode, refer to "4. Adjustment procedure".

Table Adjustment Items for data administration/recall operation/center click operation

Adjustment Items	Data administration		Recall operation	Center click operation
	By Timing	Common		
CONTRAST		*		*
BRIGHT		*		*
CONNECTOR		*		
H-SIZE	*		*	
H-PHASE	*		*	
V-SIZE	*		*	
V-POSI	*		*	
PCC-AMP	*		*	
PCC-PHASE	*		*	
PIN-BALANCE	*		*	
KEY-BALANCE	*		*	
ROTATION		*		*
H-STATIC		*		*
R-GAIN color1		*	* by the color adjustment screen	
G-GAIN color1		*	* by the color adjustment screen	
B-GAIN color1		*	* by the color adjustment screen	
R-GAIN color2		*	* by the color adjustment screen	
G-GAIN color2		*	* by the color adjustment screen	
B-GAIN color2		*	* by the color adjustment screen	
R-GAIN color3		*	* by the color adjustment screen	
G-GAIN color3		*	* by the color adjustment screen	
B-GAIN color3		*	* by the color adjustment screen	
POWER-SAVE		*		
MOIRE-CLEAR	*		*	
MOIRE-LEVEL	*		*	
H-POSI	*		*	
CENTER-PCC	*		*	
CORNER-PCC	*		*	
BOTTOM-PCC	*		*	
TOP-BALANCE	*		*	
PCC-SINE	*		*	
V-PARABORA	*		*	
CLAMP-PULSE-POSITION	*		*	
PURITY		*		*
VIDEO-LEVEL	*			
DBF-H-AMP	*			
DBF-H-PHASE	*			
DBF-V-AMP	*			
R-BIAS color1		*		
G-BIAS color1		*		
B-BIAS color1		*		
R-BIAS color2		*		
G-BIAS color2		*		
B-BIAS color2		*		
R-BIAS color3		*		
G-BIAS color3		*		
B-BIAS color3		*		
HOSC-LOW-M1		*		
HOSC-LOW-M2		*		
HOSC-LOW-H1		*		
HOSC-LOW-H2		*		
+B VOLTAGE-LOW / H1		*		
H-DRIVE-W-LOW-M1		*		
H-DRIVE-W-LOW-M2		*		
H-DRIVE-W-LOW-H1		*		
H-DRIVE-N-LOW-M1		*		
H-DRIVE-N-LOW-M2		*		
H-DRIVE-N-LOW-H1		*		
ABL-ADJUST		*		
BRT-CENT/MAX		*		
SUB-BRIGHT		*		

Table Adjustment Items for adjustment modes

Adjustment Items	Adjustment mode			
	Normal	Enhanced	Factory 1 (RS232C)	Factory 2
CONTRAST	*		*	*
BRIGHT	*		*	*
CONNECTOR	*		*	*
H-SIZE	*		*	*
H-PHASE	*		*	*
V-SIZE	*		*	*
V-POSI	*		*	*
PCC-AMP	*		*	*
PCC-PHASE	*		*	*
PIN-BALANCE	*		*	*
KEY-BALANCE	*		*	*
ROTATION	*		*	*
H-STATIC			*	*
R-GAIN color1	*		*	*
G-GAIN color1	*		*	*
B-GAIN color1	*		*	*
R-GAIN color2	*		*	*
G-GAIN color2	*		*	*
B-GAIN color2	*		*	*
R-GAIN color3	*		*	*
G-GAIN color3	*		*	*
B-GAIN color3	*		*	*
POWER-SAVE	*		*	*
MOIRE-CLEAR	*		*	*
MOIRE-LEVEL	*		*	*
H-POSI		*	*	*
CENTER-PCC		*	*	*
CORNER-PCC		*	*	*
BOTTOM-PCC		*	*	*
TOP-BALANCE		*	*	*
PCC-SINE		*	*	*
V-PARABORA			*	*
CLAMP-PULSE-POSITION		*	*	*
PURITY		*	*	*
VIDEO-LEVEL		*	*	*
DBF-H-AMP			*	*
DBF-H-PHASE			*	*
DBFV-AMP			*	*
R-BIAS color1			*	*
G-BIAS color1			*	*
B-BIAS color1			*	*
R-BIAS color2			*	*
G-BIAS color2			*	*
B-BIAS color2			*	*
R-BIAS color3			*	*
G-BIAS color3			*	*
B-BIAS color3			*	*
H-OSC-LOW-M1				*
H-OSC-LOW-M2				*
H-OSC-LOW-H1				*
H-OSC-LOW-H2				*
+B VOLTAGE LOW / H1				*
H-DRIVE-W-LOW-M1				*
H-DRIVE-W-LOW-M2				*
H-DRIVE-W-LOW-H1				*
H-DRIVE-N-LOW-M1				*
H-DRIVE-N-LOW-M2				*
H-DRIVE-N-LOW-H1				*
ABL-ADJUST			*	*
BRT-CENT/MAX			*	*
SUB-BRIGHT			*	*

3.6.5 Power management function

This is the function reduces the power consumption of the monitor when not using, and the operation of this setting is executed by the adjustment picture.

The function has the following 3 modes.

(1) Stand-by mode
(2) Suspend mode
(3) Power-off mode

(1) Stand-by mode

Blank out the picture display in this mode.

Operating:

When the horizontal sync. signal is not input or the state of input frequency of 10kHz or less continues for 3 seconds in the state POWER SAVE is ON and the vertical sync. signal is input normally, the following OSD picture is displayed.

ATTENTION	POWER SAVE
NO SIGNAL H>OFF V>ON	OFF ■ ON ■

More, when the above state continues for 5 seconds, the following OSD picture is displayed.

POWER - SAVE

Furthermore, when the above state continues for 2 seconds, move to the Stand-by mode.

Monitor state:

Power-on indicator flickering at 0.5-second interval after moving to the Stand-by mode.

Mode cancellation:

When the normal horizontal sync. signal is input, the mode returns to the normal mode.

(2) Suspend mode

Stop the secondary side power excluding the heater and +5V power. The mode moves to the Power-off mode by changing over the SUSPEND signal from H (High) to L (Low) on PWB-CONTROL.

When the Suspend mode is cancelled, the SUSPEND signal is changed over to H (High).

Operating:

a. When the vertical sync. signal is not input or the state of input frequency of 30kHz or less continues for 3 seconds in the state POWER SAVE is ON and the horizontal sync. signal is input normally, the following OSD picture is displayed.

ATTENTION	POWER SAVE
NO SIGNAL H>ON V>OFF	OFF ■ ON ■

More, when the above state continues for 5 seconds, the following OSD picture is displayed.

POWER - SAVE

Furthermore, when the above state continues for 2 seconds, move to the Suspend mode.

b. When receiving the SUSPEND signal with the MEGU kit, the mode moves to the Suspend mode.

Monitor state:
Power-on indicator flickering at 2-second intervals after moving to the Stand-by mode.

Mode cancellation:

- In case of the operating a., the mode returns to the normal mode when the vertical sync. signal is input normally.
- In case of the operating b., the mode returns to the normal mode when receiving the SUSPEND OFF signal from MEGU kit.
- Is case of both the operating a. and b., the mode returns to the normal mode by that displaying the OSD picture with the buttons on the front panel and changing the setting of the power management function.

(3) Power-off mode
Stop the secondary power side excluding the heater and +5V power. The mode moves to the Power-off mode by changing over the SUSPEND signal input from the PWB-CONTROL to the power supply circuit from H (High) to L (Low) and the P-OFF signal from H (High) to L (Low). When the Suspend mode is cancelled, the SUSPEND signal is changed over to H (High).

Operating:

a. When POWER SAVE is ON and the vertical sync. signal or input frequency of 30Hz and the horizontal sync. signal are not input, or when the state of input frequency of 10kHz or less continues for 3 seconds, the following OSD picture is displayed.

ATTENTION	POWER SAVE
NO SIGNAL H>OFF V>ON	OFF ■ ON ■

More, when the above state continues for 5 seconds, the following OSD picture is displayed.

POWER - SAVE

Furthermore, when the above state continues for 2 seconds, move to the Power-off mode.

b. When receiving the POWER-OFF signal with the MEGU kit, the mode moves to the Power-off mode.

Monitor state:
It repeats that power-on indicator turns on for three seconds and off for a second after moving to the Power-off mode.

Mode cancellation:

- In case of the operating a., the mode returns to the normal mode when the horizontal and vertical sync. signals are input normally.
- In case of the operating b., the mode returns to the normal mode with the power switch ON/OFF.
- Is case of both the operating a. and b., the mode returns to the normal mode by that displaying the OSD picture with the buttons on the front panel and changing the setting of the power management function.

(4)Priority and status transition of the power save mode

(1)Priority of the power save mode

When the input states of the H and VSYNC change during the power operating, the priority to select each input of BNC/DSUB as follows.

Name	H	V	Priority
Normal operating (Power on)	O	O	1 (High)
STAND-BY	x	O	2
SUSPEND	O	x	3
COMPLETE-OFF	x	x	4 (Low)

(2)Change of the power save mode state

a. When the input state changes, change the power save mode.

b. When the BNC/DSUB inputs differ, the operation is executed with the side having an input with a high priority shown above.

Example: BNC side → SUSPEND The SUSPEND operation is executed.
DSUB side → COMPLETE-OFF

3.6.6 Input connector automatic change-over function

W chassis has the both input systems of BNC and DSUB, and it is possible to use by changing over. The change-over function operates as follows.

(1)In the power supply ON

The sync. signal input of each terminal is checked in alternating with the order that obeyed setting description of connector, and the function works with the terminal side input is confirmed.

(2)In the signal change-over

The sync. signal input of each terminal is checked in alternating with starting from the terminal input before turning OFF, and the function works with the terminal side input is confirmed.

(3)In connector setting change-over with BNC / DSUB change-over buttons and OSD

The sync. signal input of each terminal is checked in alternating with starting from the terminal specified in connector setting, and the function works with the terminal side input is confirmed.

3.6.7 RS-232-C communication function

Communication is executed with the RS-232-C interface built into IC105. The operation conditions for communication are as follow.

Speed:	9600BPS
Data length:	8-bit
Parity:	None
Stop bit:	1-bit

Refer to the communication function specifications for details on the communication commands, etc.

3.6.8 DDC circuit

The DDC (Display Data Channel) functions are all realized by IC106.

IC106 is a nonvolatile memory exclusive for the 1k bit DDC, and supports DDC1 and DDC2B (note, the EDID file only).

The following data is memorized as the data for the DDC (EDID= Extended Display Identification).

The data is written with an exclusive programmer through the DSUB15P connector.

```
00 ff ff ff ff ff ff 00
34 ac e0 40 00 00 00 00
w  Y  01 00 0e 26 1c 69
e8 04 88 a0 57 4a 9b 26
12 48 4c a4 67 80 01 01
01 01 01 01 01 01 01 01
01 01 01 01 01 01 1a 4f
40 30 62 b0 32 40 40 c0
13 00 7c 1d 11 00 00 1e
86 3d 00 c0 51 00 30 40
30 a0 13 00 64 1d 11 00
00 1a 02 3a 00 c0 51 c0
33 30 30 a0 13 00 7c 1d
11 00 00 1a ea 24 00 60
41 00 28 30 30 60 13 00
7c 1d 11 00 00 1a 00 S
```

In the data of the left

W : Week of manufacturing

Y : Year of manufacturing

S : Sam for checking

4. Adjustment Procedure

4.1 Application

This describes the adjustment and overhaul for HR monitor of TFW9105Series.

4.2 Range of adjustment and overhaul

This describes the over all-adjustment. Adjust and confirm according to the needs of overhaul. The applicable types are as follows.

Type	Mitsubishi model name	Rating label	Destination
1	TFW9105SKTK	TFW9105SKTK	for MELA
	TFW9105SKTKL-MG	TFW9105SKTKL	for MEU-GER
	TFW9105SKTKL-MK	TFW9105SKTKL	for MEU-UK
	TFW9105SKTKL-AS	TFW9105SKTKL	for ME-AUST
	TFW9105SKTKW-NL	TFW9105SKTKW	OWN brand for overseas (No logo)

4.3 Tester

1) Signal generator A	equivalent to VG-812 made in Astrodesign
2) Signal generator B	equivalent to VG-819 made in Astrodesign
3) DC voltmeter	150V class 0.5 or digital voltmeter
4) E. H. T. meter	class 0.5 that is enable to measure 30KV
5) Intensity meter	Minolta Color Analyzer: equivalent to CA-100
6) AC voltmeter	150V/300V class 0.5
7) Oscilloscope	More than 400MHz band size
8) Variable AC-voltage Power Unit	Variable range 0 to less than 260V
9) Double Scale	For the measurement of the size and distortion
10) Insulation resistance tester	KIKUSUI MODEL TOS8650 or equality
11) Frequency counter	equivalent to IWATSU SC-7101
12) Ground continuity tester	Made in England; CLARE

4.4 Standard setting state

Adjust in the state of this clause unless otherwise specified.

4.4.1 Power supply voltage

Type	Power supply voltage	Reference
1	AC120V 60Hz AC220V 50Hz	

4.4.2 Adjustment magnetic field

Type	Magnetic field	Reference
1	HORIZ. 0mT VERT. 0.04mT	For Northern hemisphere
	HORIZ. 0mT VERT. -0.04mT	For Southern hemisphere

4.5 Initial inspection

1) Assemble exactly.
2) The PCB has no crack and bad stain.
3) The PCB parts are not loose, tilted, and contacted with other parts.
4) Connectors do not have defective crimps and are inserted exactly.
5) The TR socket, the CRT socket, and the anode cap are fitted exactly.
6) Lead wire is not pressed by the edge of the plate.
7) Lead wire is not contacted with the high temperature parts of the R-METAL, the R-CEMENT, and the TR with the FIN.
8) Plates have no bending, bad stain, and bruises.
9) CRT has no bruises and breakage.
10) Each VR and the encoder rotate smoothly.
11) Each VR is sure to be set the following positions before powering on.

Initial setting for VR

PWB name	Number	Name (Symbol)	Initial adjustment position	Reference
PWB-MAIN	VR5F1	TCO	Center	
	VR601	HV-ADJ	Turn counterclockwise completely.	
		FOCUS 1	Center	FBT
		FOCUS 2	Center	FBT
		SCREEN	Turn counterclockwise completely.	FBT
PWB-DISPLAY	SW100	MODE SELECT SW	D-SUB side	Normal mode
		SYNC TERMINATION	Type 1 Down side	1kΩ
	VR700	DIS-ADJ	Center	
	VR400	V-LIN	Center	

4.6 Initialize the adjustment data in the EEPROM (Note : This item is not need for general repair.) [Use DDC tool (special supply)]

Write by combining with the PC (IBM-PC compatible).
Confirm the clock built-in the PC is set correctly when preparing for writing.
As to details, refer to the exclusive software [N & R Chassis EEPROM EDITORS FOR WINDOWS (special supply)].

(1)Set SW100 on the PWB-DISPLAY to BNC side.
(2)Power on the monitor and confirm the aging raster appears.
(3)Initialize EEPROM with serial communication.
(4)Power off the monitor. Initialize the adjustment data in the EEPROM according to the following file.

The initialized adjustment data file name

Type	Initialize data file name	Revised data	Reference
1	W -MEL -1. DAT		

The data of the horizontal linearity in the initial data is as the following table.

H. frequency (kHz)	CS6	CS5	CS4	CS3	CS2	CS1	LIN1	LIN2	DATA (H)
30 - 32							ON	ON	
32 - 34				ON			ON	ON	
34 - 36		ON	ON	ON			ON	ON	
36 - 38	ON		ON		ON		ON		
38 - 40				ON	ON		ON		
40 - 42	ON	ON	ON	ON	ON		ON		
42 - 44			ON			ON	ON		
44 - 46	ON	ON	ON			ON		ON	
46 - 48	ON	ON	ON			ON		ON	
48 - 50			ON	ON		ON		ON	
50 - 52	ON		ON	ON		ON		ON	
52 - 54	ON	ON	ON	ON		ON		ON	
54 - 56	ON				ON	ON		ON	
56 - 58	ON				ON	ON		ON	
58 - 60	ON	ON			ON	ON		ON	
60 - 62	ON	ON			ON	ON		ON	
62 - 64	ON	ON			ON	ON		ON	
64 - 66			ON		ON	ON		ON	
66 - 68	ON		ON		ON	ON		ON	
68 - 70		ON	ON		ON	ON		ON	
70 - 72				ON	ON	ON		ON	
72 - 74		ON		ON	ON	ON		ON	
74 - 76		ON		ON	ON	ON			
76 - 78	ON	ON		ON	ON	ON			
78 - 80	ON	ON		ON	ON	ON			
80 - 82	ON		ON	ON	ON	ON			
82 - 84	ON		ON	ON	ON	ON			
84 - 86	ON		ON	ON	ON	ON			
86 - 88		ON	ON	ON	ON	ON			
88 - 90		ON	ON	ON	ON	ON			
90 - 92		ON	ON	ON	ON	ON			
92 - 95	ON	ON	ON	ON	ON	ON			

* When CS or LIN-COIL is ON, the corresponding bit is set to "BLANK"
* When OFF, the corresponding bit is set to "ON".

4.7 Control names and functions

4.7.1 Structure of front control panel

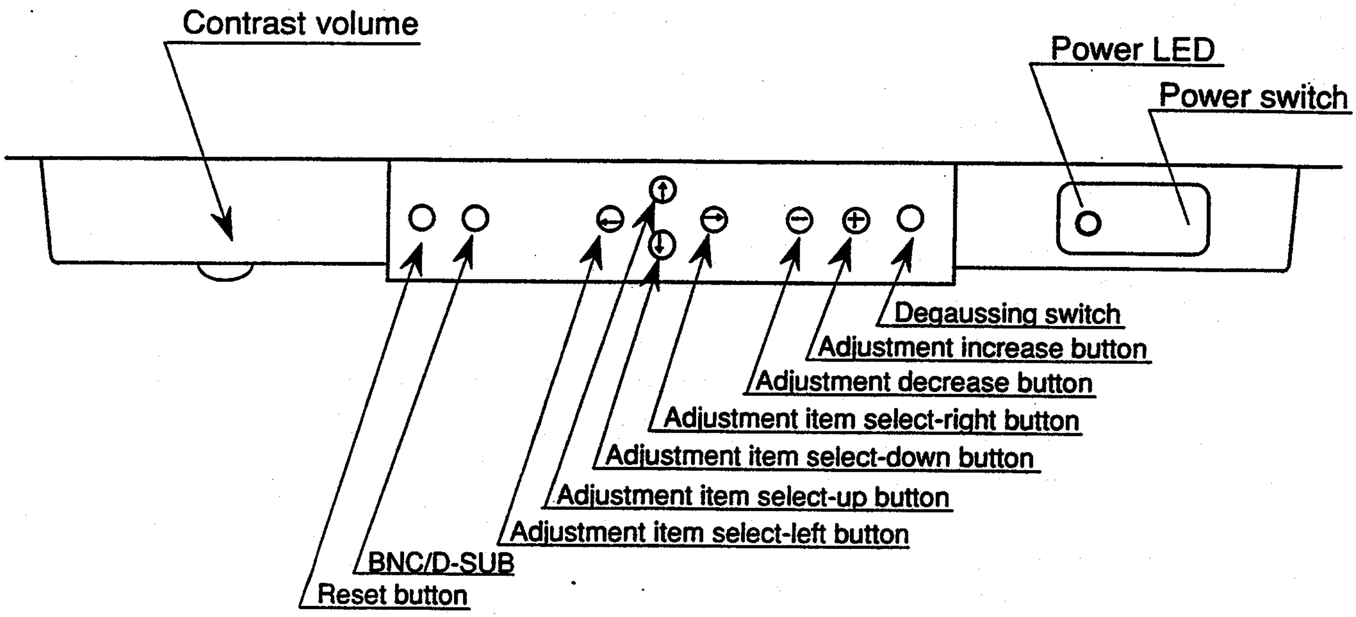

Contrast volume
Power LED
Power switch
Degaussing switch
Adjustment increase button
Adjustment decrease button
Adjustment item select-right button
Adjustment item select-down button
Adjustment item select-up button
Adjustment item select-left button
BNC/D-SUB
Reset button

Figure 6. Front control panel (Standard bezel)

4.7.2 Structure of rear input connector

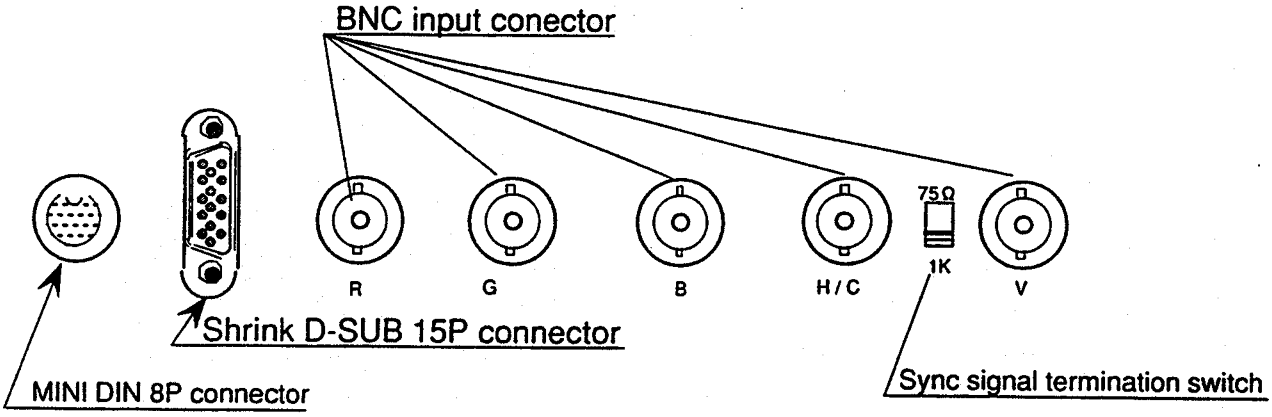

BNC input conector
R
G
B
H / C
75Ω
1K
V
Shrink D-SUB 15P connector
MINI DIN 8P connector
Sync signal termination switch

Figure 7. Rear input connector (standard)

4.7.3 Adjustment items OSD display matrix

CONTRAST				
BRIGHT				
CONNECTOR				
H-SIZE	H-PHASE	V-SIZE	V-PHASE	
PCC-AMP	PCC-PHASE	PIN-BAL	KEY-BAL	
ROTATION	H-STATIC			
COLOR-1 R	COLOR-2 R	COLOR-3 R	BALANCE	
COLOR-1 G	COLOR-2 G	COLOR-3 G		
COLOR-1 B	COLOR-2 B	COLOR-3 B		
POWER-SAVE				
MOIRE-CLEAR				
LEVEL				
H-POSI				
CENTER-PCC				
CORNER-PCC				
BOTTOM-PCC				
TOP-BALANCE				
PCC-SINE				
V-PARABOLA				
CLAMP-PULSE				
PURITY				
VIDEO LEVEL				
DBFH-AMP				
DBFH-PHASE				
DBFV-AMP				
COLOR-1 R	COLOR-2 R	COLOR-3 R	CUT OFF (BIAS)	
COLOR-1 G	COLOR-2 G	COLOR-3 G		
COLOR-1 B	COLOR-2 B	COLOR-3 B		
HOSC LOW	HOSC M1	HOSC M2	HOSC H1	HOSC H2
+BVOLTAGE LOW			+BVOLTAGE H1	
HDRIVE-W-LOW	HDRIVE-W-M1	HDRIVE-W-M2	HDRIVE-W-H1	
HDRIVE-N-LOW	HDRIVE-N-M1	HDRIVE-N-M2	HDRIVE-N-H1	
ABL-ADJUST				
BRIGHT-CENT	BRIGHT-MAX			
SUB-BRIGHT				

4.8 Adjustment

4.8.1 How to change over to the Factory mode

(1)Change over with switch (Factory mode 2)

Power SW100 on the PWB-DISPLAY ON on the D-SUB side (NORMAL MODE), and switch to the BNC side (FACTORY MODE).

(2)Change over with the switch on the front panel (Factory mode 1)

A) Press the degaussing switch ON.

B) Press (<) and (+) simultaneously after having executed A) immediately.

C) Confirm LEVEL-10 is displayed on the OSD and set to LEVEL-15 with (+) key.

D) Press (<) and (>) simultaneously.

The factory adjustment mode is set by the above steps. In this case, it is impossible to adjust +B, and H-DRIVE.

4.8.2 Preadjustment

> This describes both preadjustment and general adjustment, but adjust with general adjustment usually.

After powering on, then adjust the "SCREEN" of focus pack to be the suitable brightness, and adjust the "FOCUS 1, 2" of the fucus pack to clear the both sides of the picture.

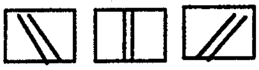
4.8.2.1 Horizontal free running frequency adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	H. free running frequency	Free running	No. A : 30K / 70Hz, No. B, C, E, F
		SW100, Center	Full white

(1)Input the following timing No. A.

(2)Set the SW100 on the PWB-DISPLAY to the center and to be free running.
(The OSD screen adjustment item selects the HOSC LOW.)

(3)Adjust the horizontal free running frequency as follows by the (+) and the (-) buttons (adjustment the increase and the decrease buttons).

30KHz±0.2KHz ( Adjust the flow of the picture to the left figure.)

(4)Input the timing No. B, C, E, and F and select each adjustment item that is equivalent to the following table, and then adjust the each frequency.

Timing number	OSD adjustment item	Free running frequency
A	HOSC-L	30.0KHz±0.2KHz
B	HOSC-M1	56.5KHz±0.2KHz
C	HOSC-M2	84.0KHz±0.2KHz
E	HOSC-H1	88.0KHz±0.2KHz
F	HOSC-H2	93.75KHz±0.2KHz

4.8.2.2 High voltage preadjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	High voltage preadjustment	Normal	No. F : 93K / 75Hz, Input sync. signal only
		SW100, D-sub side	

(1) Power off the monitor and on after connecting to the CRT anode.

(2)Adjust the voltage to 27.0KV±0.3KV with VR601 (HV-ADJ) on the PCB-MAIN.

4.8.2.3 Voltage setting for the high voltage protector working

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Voltage setting for the high voltage protector working	Normal	No. F : 93K / 75Hz, Input sync. signal only
		SW100, D-sub side	

(1)Connect the E. H. T. meter to TP-XP on the PWB-MAIN.

(2)Confirm that the voltage of TP-XP is 17V±1V.

(3)Apply the voltage (21.5±0.2V) from the outside of the monitor to TP-XP, and confirm that the high voltage protector working.

(4)After confirming the working, repeat powering ON-OFF (every 5 sec.) and confirm that the high voltage protector not working when checking.

4.8.2.4 +B adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	+B adjustment	Factory 2	No. A : 30K / 70Hz, No. F
		SW100, BNC side	Full white

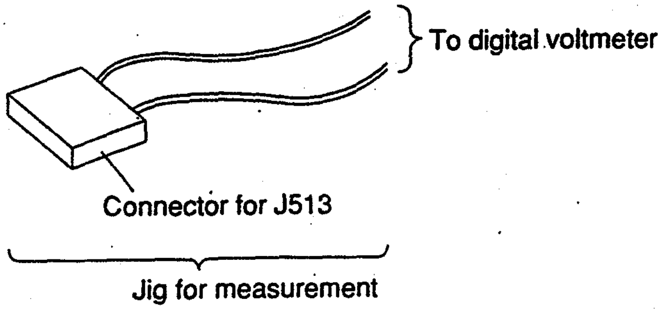
(1)Set the SW100 on the PWB-DISPLAY to the BNC side.(FACTORY MODE)
(2)Input the following sync signal and adjust the picture size as the bezel becomes full.

Timing number	Timing	OSD adjustment item
A	30.0kHz	+BVOLTAGE-LOW
F	93.75kHz	+BVOLTAGE-H1

4.8.2.5 H-DRIVE adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	H-DRIVE	Factory 2	No. A : 30K / 70Hz, No. B, D, F
		SW100, BNC side	Full white

(1)Measure the voltage between pins J513.



(2)Input the timing No. A. Set the OSD screen to the H-DRIVE-N-LOW and then adjust the voltage to the minimum by pressing the (+) and the (-) buttons on the monitor. (Refer to the note.)
(3)Set the OSD screen to the H-DRIVE-W-LOW with the (▽) button and then adjust the voltage to the minimum by the (+) and the (-) buttons on the monitor while looking at the digital voltmeter. (Refer to the note.)
(4)Set the OSD screen to the H-DRIVE-N-LOW and then readjust the voltage to the minimum by the (+) and the (-) buttons on the monitor while looking the digital voltmeter.
(5)Input the timing No. B, D and F. Select the adjustment items that are equivalent to each value of the following table, and then adjust each voltage to the minimum.
(Note : In case the step (2) is impossible to adjust the voltage to the minimum, execute the step (3) first and then the step (2) once again.)

Timing number	Timing	OSD adjustment item
A	30.0kHz	HDRIVE-N-LOW, HDRIVE-W-LOW
B	56.5kHz	HDRIVE-N-M1, HDRIVE-W-M1
D	86.0kHz	HDRIVE-N-M2, HDRIVE-W-M2
F	93.75kHz	HDRIVE-N-H1, HDRIVE-W-H1

4.8.2.6 Shock test

(1)Display "COLOR BAR" by signal generator A.

(2)Confirm that the image is normal when giving a slight shock to the monitor.

4.8.2.7 Preadjustment before aging

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	H-DRIVE	Factory 2	No signal
		SW100, BNC side	Automatic display

(1)Display the full white by the signal generator A.

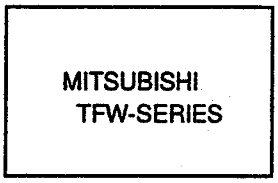
(2)Confirm that the image of each channel R, G, B comes.

(3)Confirm that it is enable to control the H-CENT, picture position, picture size, PCC, and balance and adjust.

(4) Confirm that the power management on the OSD is OFF.

(5)Set the SW100 on the PWB-DISPLAY to the BNC side.(FACTORY MODE)

(6)After disconnecting the signal and confirming that the following picture is displayed with the OSD, adjust the luminance of the picture to be suitable for ITC by the screen VR and continue the heat running for 30 minutes or more.



OSD screen on aging

4.8.3 General adjustment

This describes both preadjustment and general adjustment, but adjust with general adjustment usually.

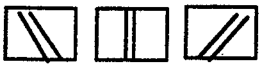
4.8.3.1 Horizontal free running frequency adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	H. free running frequency	Free running	No. A : 30K / 70Hz, No. B, C, E, F
		SW100, Center	Full white

(1)Input the timing No. A.

(2)Set SW100 on the PWB-DISPLAY to the center and to be free running.
(The adjustment item of the OSD screen selects the HOSC-LOW.)

(3)Adjust the horizontal free running frequency as follows by the (+) and the (-) buttons (adjustment the increase and the decrease buttons).

30KHz±0.2KHz ( Adjust the flow of the picture to the left figure.)

(4)Input the timing No. B, C, E, and F and select each adjustment item that is equivalent to the table, and then adjust the each frequency.

Timing number	OSD adjustment item	Free run frequency
A	HOSC-L	30.0KHz±0.2KHz
B	HOSC-M1	56.5KHz±0.2KHz
C	HOSC-M2	84.0KHz±0.2KHz
E	HOSC-H1	88.0KHz±0.2KHz
F	HOSC-H2	93.75KHz±0.2KHz

4.8.3.2 High voltage preadjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	High voltage preadjustment	Normal	No. F : 93K / 75Hz, Input sync. signal only
		SW100, D-sub side	

(1) Power off the monitor and on after connecting to the CRT anode.

(2)Turn the screen VR on FBT counterclockwise completely.

(3)Power on the monitor.

(4)Adjust the voltage to 27.0KV±0.3KV with VR601 (HV-ADJ) on the PWB-MAIN.

4.8.3.3 Voltage setting for the high voltage protector working

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Voltage setting for the high voltage protector working	Normal	No. F : 93K / 75Hz, Input sync. signal only
		SW100, D-sub side	

(1)Connect the E. H. T. meter to TP-XP on the PWB-MAIN.

(2)Confirm that the voltage of TP-XP is 17V±1V.

(3)Apply the voltage (21.5±0.2V) from the outside of the monitor to TP-XP, and confirm that the high voltage protector working.

(4)After confirming the working, repeat powering ON-OFF (every 5 sec.) and confirm that the high voltage protector not working when checking.

4.8.3.4 SCREEN voltage adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	SCREEN voltage	Normal	No. F : 93.75K / 70Hz, Sync. signal only
		SW100, D-sub side	

(1)Connect E. H. T. meter to TP-SC terminal on PWB-CRT.
(2)Set the voltage to 700±5V with the screen VR on FBT.

4.8.3.5 +B adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	+B adjustment	Factory 2	No. A : 30K / 70Hz, No. F
		SW100, BNC side	Full white

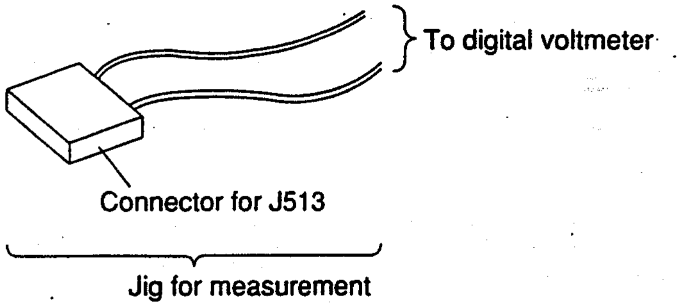
(1)Set the SW100 on the PWB-DISPLAY to the BNC side.(FACTORY MODE)
(2)Input the following sync signal and adjust the picture size as the bezel becomes full.

Timing number	Timing	OSD adjustment item
A	30.0kHz	+BVOLTAGE-LOW
F	93.75kHz	+BVOLTAGE-H1

4.8.3.6 H-DRIVE adjustment (Set AC line input to 240V.)

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	H-DRIVE	Factory 2	No. A : 30K / 70Hz, No. B, D, F
		SW100, BNC side	Full white

(1)Measure the voltage between pins J513.



(2)Input the timing No. A. Set the OSD screen to the H-DRIVE-N-LOW and then adjust the voltage to the minimum by pressing the (+) and the (-) buttons on the monitor.
(3)Set the OSD screen to the H-DRIVE-W-LOW with the (▽) button and then adjust the voltage to the minimum by the (+) and the (-) buttons on the monitor while looking at the digital voltmeter. (Refer to the note.)
(4)Set the OSD screen to the H-DRIVE-N-LOW and then readjust the voltage to the minimum by the (+) and the (-) buttons on the monitor while looking the digital voltmeter.
(5)Input the timing No. B, D and F. Select the adjustment items that are equivalent to each value in the following table, and then adjust each voltage to the minimum.

(Note : In case the step (2) is impossible to adjust the voltage to the minimum, execute the step (3) first and then the step (2) once again.)

Timing number	Timing	OSD adjustment item
A	30.0kHz	HDRIVE-N-LOW, HDRIVE-W-LOW
B	56.5kHz	HDRIVE-N-M1, HDRIVE-W-M1
D	86.0kHz	HDRIVE-N-M2, HDRIVE-W-M2
F	93.75kHz	HDRIVE-N-H1, HDRIVE-W-H1

4.8.4 Picture size, position and distortion adjustment

Adjust in the FACTORY mode.

Adjust picture size to the value shown in the adjustment value list.

4.8.4.1 Picture tilt adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Picture tilt	Factory 2	No. 6 : 93.75K / 75Hz
		SW100, BNC side	Crosshatch

Set the OSD screen to the ROTATION with the SELECT buttons on the front panel and adjust the raster tilt to the horizontal to the CRT face with the (+) and the (-) ADJUST buttons.

4.8.4.2 Raster position adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Raster position	Factory 2	All of timing (preset, user and initial)
		SW100, BNC side	Crosshatch

(1)Input the all adjustment timing of the pattern with the crosshatch. Set the OSD screen to the H-POSITION with the SELECT buttons on the front panel, and adjust the horizontal raster position to the center of the picture with the (+) and the (-) ADJUST buttons.
In this case adjust the raster size to 390±10mm and $|L1-L2| \leq 3$mm.

(2)For the timing less than Fh: 40kHz, adjust the value to +40 count.

4.8.4.3 Vertical linearity

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Vertical linearity	Factory 2*	No. 7 : 31.5K / 60Hz
		SW100, BNC side	Crosshatch

*It is also possible in the normal mode.

(1)Adjust the vertical size to 285±4 and the vertical position to be almost the center.

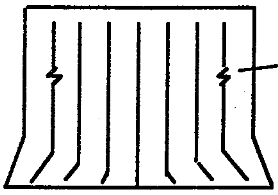
(2)Adjust the vertical linearity so that the sizes of the top (the second from the top) and the bottom (the lower most) of the picture are equal with VR400.

4.8.4.4 Left and right distortion, size and position in picture adjustment (All mode)

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Left and right distortion,	Factory 2	No. 6 : 93.75K / 75Hz for step (1) only, Step (2) to (5) are all of timing*
	size and position	SW100, BNC side	Reverse cross

*Preset timing only applies to the left and right distortion.
All of the preset, user and initial timing apply to picture size and picture position.

(1)VR700 adjustment
- A) Display the reverse cross of timing No. 6.
- B) Set the BOTTOM-PCC to MAX.
- C)Adjust the vertical line of the image to be straight.



Adjust the vertical lines at the center to be straight.

(2)Set the OSD screen to the PCC-AMP, PCC-PHASE, PCC-CENTER, PCC-BALANCE, PCC-BOTTOM, PCC-SINE and PCC-CORNER with the SELECT buttons on the front panel, and adjust the lines on both sides of the picture to be straight with the (+) and the (-) ADJUST buttons.

(3)If the distortion on the left and right sides of the picture differs, set the OSD screen to the PIN-BALANCE, the KEY-BALANCE, with the SELECT buttons on the front panel, and adjust so that the left and right sides are balanced visually with the (+) and (-) ADJUST buttons.

(4)Set the OSD screen to the H-PHASE, with the SELECT buttons on the front panel, and adjust the horizontal raster position to the center of the picture with the (+) and (-) ADJUST buttons.

(5)Set the OSD screen to the H-SIZE, with the SELECT buttons on the front panel, and adjust the horizontal raster size to the value shown in the adjustment value list with the (+) and (-) ADJUST buttons.

4.8.4.5 DBF amplitude / phase adjustment (NOTE : This item is not needed for general repair.)

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	DBF amplitude / Phase	Factory 2	Each timing
		SW100, BNC side	Full white

* Initial data applies to DBF-H-AMP and DBF-H-PHASE only.

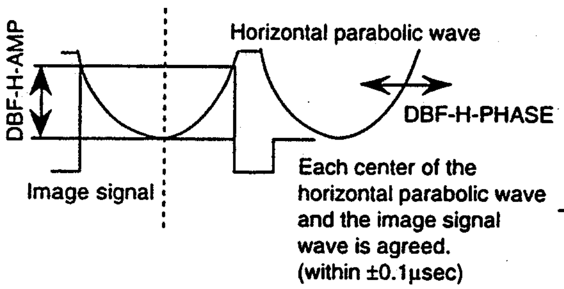
(1)Connect the oscilloscope to the TP-DBF and the R video signal output on the PWB-MAIN.

(2)Set the SW100 on the PWB-DISPLAY to the BNC side (FACTORY-MODE).

(3)Set the OSD screen to the DBF-H-AMP with the SELECT buttons on the front panel, and adjust the horizontal parabola wave amplitude to the value shown in the adjustment value list with the (+) and the (-) ADJUST buttons.

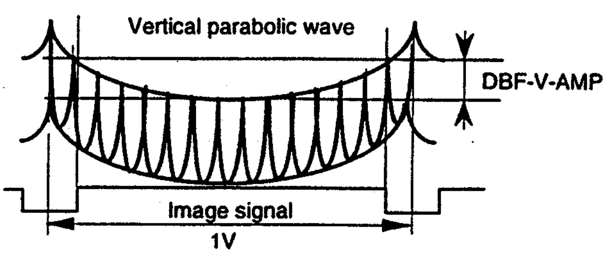
(4)Set the OSD screen to the DBF-V-AMP with the SELECT buttons on the front panel, and adjust the vertical parabola wave amplitude to the value shown in the adjustment value list with the (+) and the (-) ADJUST buttons.

(5)Set the OSD screen to the DBF-H-PHASE with the SELECT buttons on the front panel, and adjust the phase of the horizontal parabola wave on the image signal as follows with the (+) and the (-) ADJUST buttons.



Each center of the horizontal parabolic wave and the image signal wave is agreed. (within ±0.1µsec)

V • DBF amplitude adjustment



DBF-H-AMP/PHASE adjustment

4.8.5 Cut off adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Cut off	Factory 2	No. 6 : 93.75K / 75Hz
		SW100, BNC side	Sync signal only

(1)Input the timing No. 6. (R, G, B, OFF)

(2)Select the BIAS 1 and set the BRIGHT-CENTER to"150", the SUB-BRIGHT to "110" and R, G, B-BIAS to "20".

(3)Adjust the luminance of the back raster to 0.25±0.1cd/m^2.

A)In case the luminance is 0.25cd/m^2 or more, adjust the SUB-BRIGHT.

B)In case the luminance is less than 0.25cd/m^2, adjust the R, G, B-BIAS.

In this case, adjust the data of the R, G, B-BIAS to be the same value.

(4)Adjust the color coordination to the value in the following table with the two colors except the base color.

(5)Adjust the luminance of the back raster to 0.30±0.05cd/m^2 with the SUB-BRIGHT.

When it is adjustment impossibility only with the SUB-BRIGHT, adjust the BRIGHT CENTER.

(6)In case the color coordination of the back raster is different from the above value, repeat the steps (4) and (5).

(7)Confirm the back raster disappears when setting the BRIGHT to min..

(In case of not disappearing, set the BRIGHT to min. and the back raster to the disappearing point with the SUB-BRIGHT. Secondly change the BRIGHT CENTER and adjust the luminance of the back raster to 0.30±0.05cd/m^2, readjust from the step (3).)

(8)Select the BIAS 2 and change the BIAS data of two colors except the base color, and adjust the color coordination of the back raster to the value in the following table.

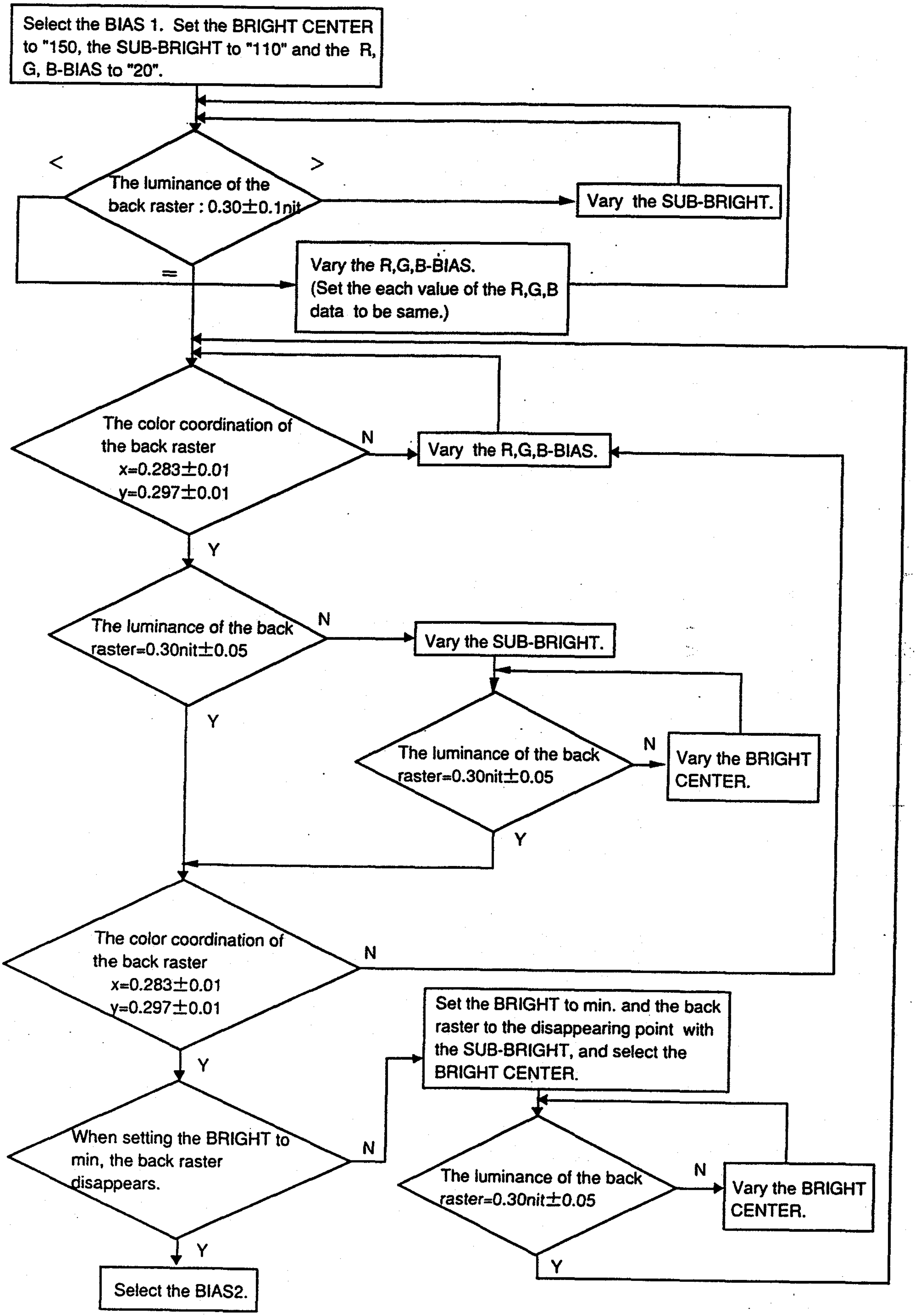
(9)Select the BIAS 3 and change the BIAS data of two colors except the base color, and adjust the color coordination of the back raster to the value in the following table.

(10)Adjust the BRIGHT MAX to 3cd/m^2±0.1cd/m^2.

Type	Adjustment item		Color 1	Color 2	Color 3
1	Color coordination	x	0.283±0.01	0.316±0.01	0.345±0.01
		y	0.297±0.01	0.326±0.01	0.359±0.01

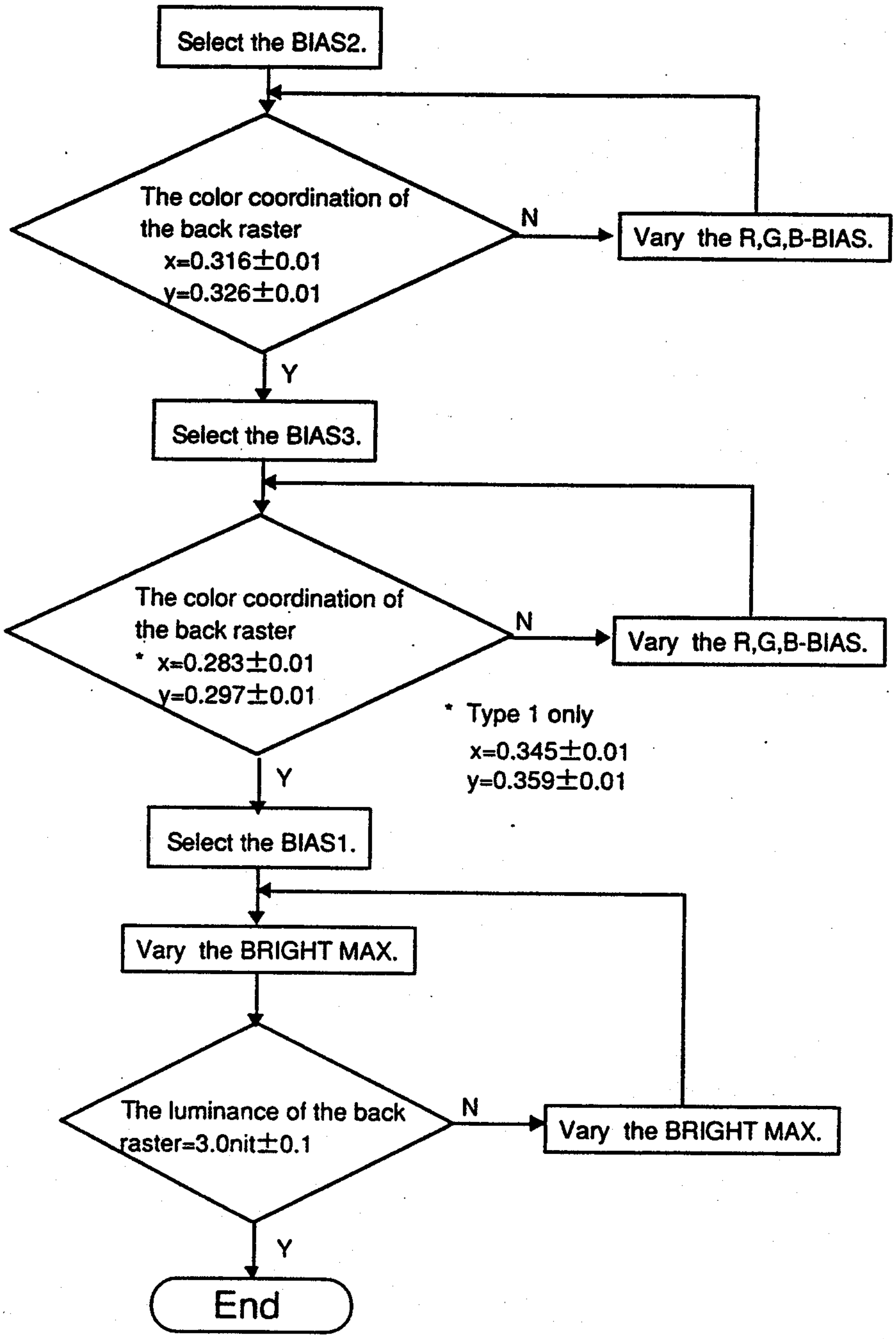
* Attach the flow chart on the next page.

Cut off adjustment procedure


Select the BIAS 1. Set the BRIGHT CENTER to "150, the SUB-BRIGHT to "110" and the R, G, B-BIAS to "20".
<
>
The luminance of the back raster : 0.30±0.1nit
=
Vary the SUB-BRIGHT.
Vary the R,G,B-BIAS. (Set the each value of the R,G,B data to be same.)
The color coordination of the back raster x=0.283±0.01 y=0.297±0.01
N
Vary the R,G,B-BIAS.
Y
The luminance of the back raster=0.30nit±0.05
N
Vary the SUB-BRIGHT.
Y
The luminance of the back raster=0.30nit±0.05
N
Vary the BRIGHT CENTER.
Y
The color coordination of the back raster x=0.283±0.01 y=0.297±0.01
N
Y
Set the BRIGHT to min. and the back raster to the disappearing point with the SUB-BRIGHT, and select the BRIGHT CENTER.
When setting the BRIGHT to min, the back raster disappears.
N
The luminance of the back raster=0.30nit±0.05
N
Vary the BRIGHT CENTER.
Y
Y
Select the BIAS2.

To be continued to the next page.

To be continued from the previous page.


Select the BIAS2.
The color coordination of the back raster x=0.316±0.01 y=0.326±0.01
N
Vary the R,G,B-BIAS.
Y
Select the BIAS3.
The color coordination of the back raster * x=0.283±0.01 y=0.297±0.01
N
Vary the R,G,B-BIAS.
* Type 1 only x=0.345±0.01 y=0.359±0.01
Y
Select the BIAS1.
Vary the BRIGHT MAX.
The luminance of the back raster=3.0nit±0.1
N
Vary the BRIGHT MAX.
Y
End

4.8.6 RGB drive adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	RGB drive	Factory 2	No. 6 : 93.75K / 75Hz
		SW100, BNC side	Full white and Window

4.8.6.1 R, G, B drive signal adjustment (Adjustment for COLOR-1)

(1) Input the timing No.6.
WINDOW picture (Input amplitude = 0.7Vp-p)

(2) Set the OSD screen to the CONTRAST with the SELECT buttons on the front panel, and adjust to MAX with the (+) ADJUST buttons.

(3) Set the OSD screen to the BRIGHT with the SELECT buttons on the front panel, and adjust the data to the center value by pressing the (+) and the (-) ADJUST buttons simultaneously.

(4) Set the output of the signal generator A to the window pattern (Approx. 80 mm square at the center of the CRT picture), input G signal only.

(5) Set the OSD screen to G of the COLOR-1 with the SELECT buttons on the front panel, and adjust the luminance to the value in the following table with the (+) and the (-) ADJUST buttons.

(6) Input BLUE, RED and GREEN signals and select B and R of the COLOR-1, adjust the color coordination to the value in the following table.

(7) When setting the CONTRAST to 30cd/m², the value for the change of the color coordination is within ±0.015 for both x and y.

* Adjust the value of the COLOR-2 and COLOR-3 to the value in the following table with the same procedure.

Note) Make sure to set the OSD screen to COLOR 1 after adjusting COLOR.
(The preset of COLOR is to be the COLOR-1 of the factory preset by executing this operation.)

	Color		1	2	3	Reference
Type 1	G-WINDOW		78.0	68.0	58.0	(Reference value)
	W-WINDOW color coordination	x	0.283	0.316	0.345	±0.005
		y	0.297	0.326	0.359	±0.005
	Full white luminance (cd/m²)		108±3	90 or more	80 or more	

4.8.6.2 ABL adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	ABL	Factory 2	No. 6 : 93.75K / 75Hz
			Full white

(1) Input the timing No. 6.
(Full white picture input amplitude = 0.7Vp-p)

(2) Set the OSD screen to the ABL-ADJUST and adjust the value to 108cd/m²±3 in the COLOR-1. In this case, the picture size is set to the approximate value of H position in the adjustment value list.

4.8.7 Purity adjustment (Execute when changing CRT.)

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Purity	Factory 2	No. A : 30.10K / 70Hz
		SW100, BNC side	Full red

(1)In case NG occurs at a direction when checking the magnetic tolerance (45 degrees turn), adjust purity within the following range. Make sure to adjust purity in the FACTORY mode and check after degaussing with the hand demagnetizer.*

(2)In case check in the above step (1) is OK, check at all of the other directions. Individual adjustment is possible in each checking at the swivel angle is -45, 0, and 45 degrees and at the magnetic field of the tube axis Bz=±0.04mT.

Confirm the uniformity of luminance in Bz=0mT is 80% or more.

(3)Confirm picture performance of mis-convergence, distortion, etc. after finishing the above step (2).

Note : *; Refer to "4.14 How to degauss with hand demagnetizer" on page 4-30.

4.8.8 Focus adjustment

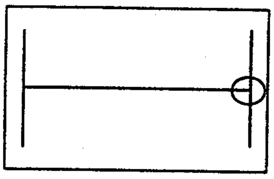
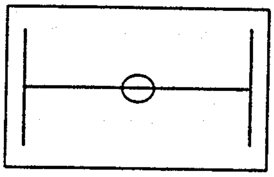
Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Focus	Factory 2	No. 6 : 93.75K / 75Hz
		SW100, BNC side	Character H, Crosshatch

As to the steps from (1) to (2), input the character H pattern of the timing No. 6 and the crosshatch pattern.

As to the step (3), input the character H of all of other preset timings and the crosshatch pattern.

Static focus adjustment

(1)Display the crosshatch pattern of three colors and adjust the focus as the following steps.

	Normal or Reverse display	Parts to fit	
Vertical line	Reverse display		Set the focus to FOCUS JUST at the center of the vertical line on the right (○ seal part) .
Horizontal line	Normal display		Set the focus to FOCUS JUST at the center of the picture (○ seal part).

(2)When the DBF voltage is short or over, set the OSD screen to DBFH-AMP and DBFV-AMP with the SELECT buttons on the front panel, and adjust the AMP with the (+) and the (-) ADJUST buttons.

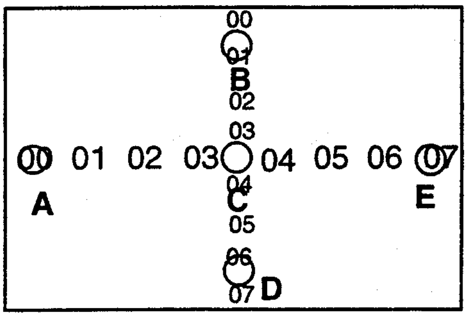
Adjust the focuses to be uniformed on the screen by repeating the step (1) to satisfy the following judgement conditions.

(3)As to all of other preset timings, when the DBF voltage is short or over, set the OSD screen to DBFH-AMP and DBFV-AMP with the SELECT buttons on the front panel, and adjust the focuses with the (+) and the (-) ADJUST buttons.

Focus judgement depends on the following.

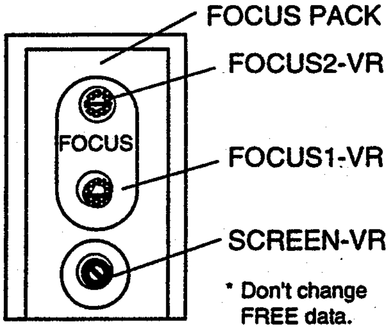
Timing	Judgement pattern Note 1:, Note 2:
No. 6 : 1600 x 1200 93.75K / 75Hz	Judge with pattern A, and judge finally with pattern B as to the doubtful judgement.
Others	Judge with pattern A.

Note1 : Pattern A : Font 7 x 9 Cell 10 x 11 Character H
Pattern B : Font 7 x 9 Cell 15 x 17 Character H
Note 2 : Focus setting; Normal display is judged by the ratio of core : halo. Reverse display is judged not by relative comparison with the other part on the screen but by whether the character H in the part is formed to be possible to judge as character H or not.



* The numbers are the address of the DBFH-FREE and the DBFV-FREE.

Focus attention point



* Don't change FREE data.

Focus pack

4.8.9 Convergence adjustment (Execute when changing CRT.)

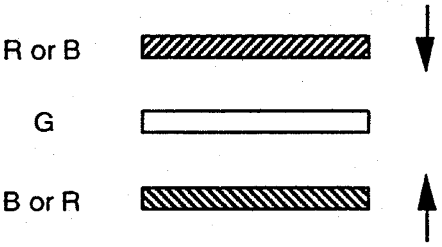
Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Convergence	Normal	No. 6 : 93.75K / 75Hz
		SW100, D-sub	Crosshatch

Adjust the following in the NORMAL mode.

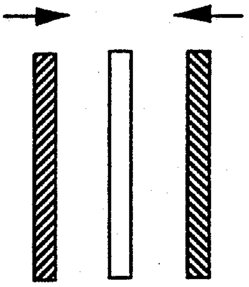
(1)Set the OSD screen to the H-STATIC with the SELECT buttons on the front panel.

(2)Press the (+) and the (-) ADJUST buttons simultaneously. (In this case confirm that the data of the H-STATIC is displayed the level 50% on the screen.)

(3)Adjust the horizontal and the vertical convergence with the CP ring (Magnet 4P and 6P) on the CRT at need. Adjust the center of the picture mainly.
Do not adjust the purity (2P) magnet.



The vertical convergence

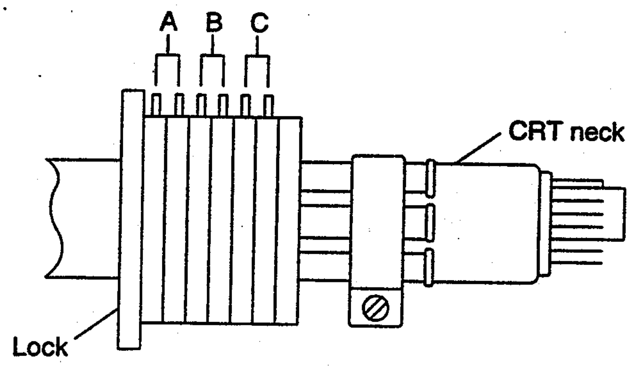


The horizontal convergence

<CP-ASSY structure and how to adjust>

C and P indicate the initials of Convergence and Purity.

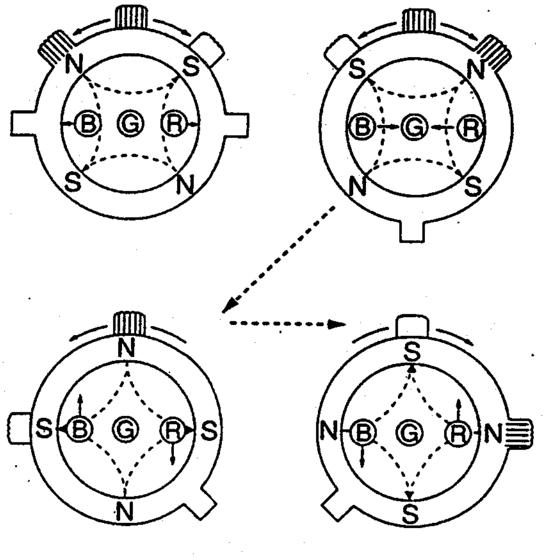
Magnet ring	Action
Purity (2P)	Deflect the electron beams (R • G • B) to X and Y directions and pass the beams to the exposure point.
4P magnet	Deflect the side beams (R • B) to the different direction.
6P magnet	Deflect the side beams (R • B) to the same direction as the center beam (G).



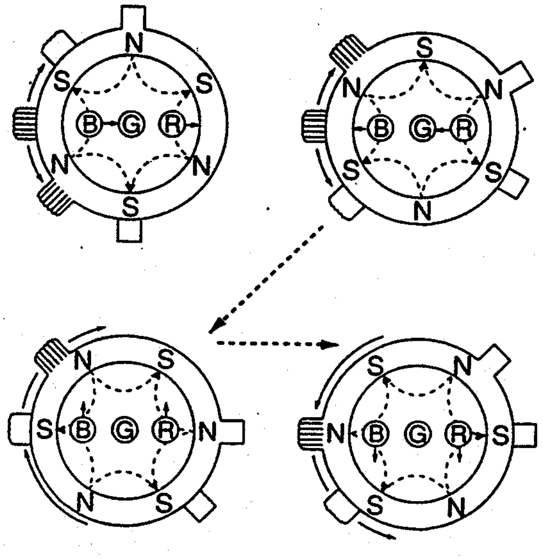
A : 2-pole magnet (purity magnet)
B : 4-pole magnet
C : 6-pole magnet

Figure. CP-Assy

Adjust to combine red with blue by two of 4P magnets and red and blue with green by two of 6P magnets.



(a) Movement of 4p magnet and beam



(b) Movement of 6P magnet and beam

4.8.10TCO adjustment

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	TCO	Factory 2*	No. 6 : 93.75K / 75Hz
		SW100, BNC side	Character H

*It is also possible in the normal mode.

<Cancel voltage adjustment>

(1) Input the character H pattern of the timing No. 6. Select the adjustment item "CONTRAST" with the SELECT buttons on the front panel, and set the contrast data to 50% with the ADJUST buttons.

(2)Set the TCO disc probe*[1] as follows.

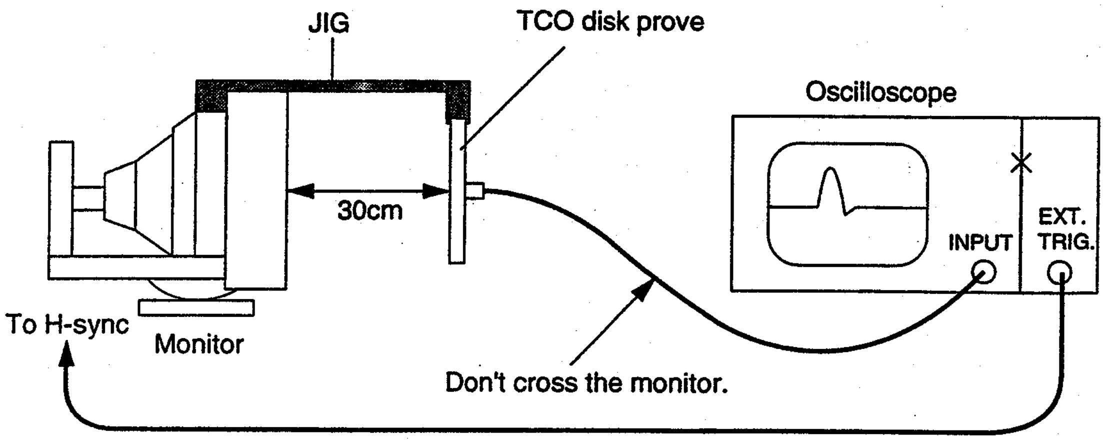
Measure the signal of the TCO disk prove with the oscilloscope (1mV/div).

*[1] TCO disk prove : Temporary electric field instrument with disk type

Note : Set the oscilloscope to the external trigger mode and input H-sync of the monitor to trigger input.

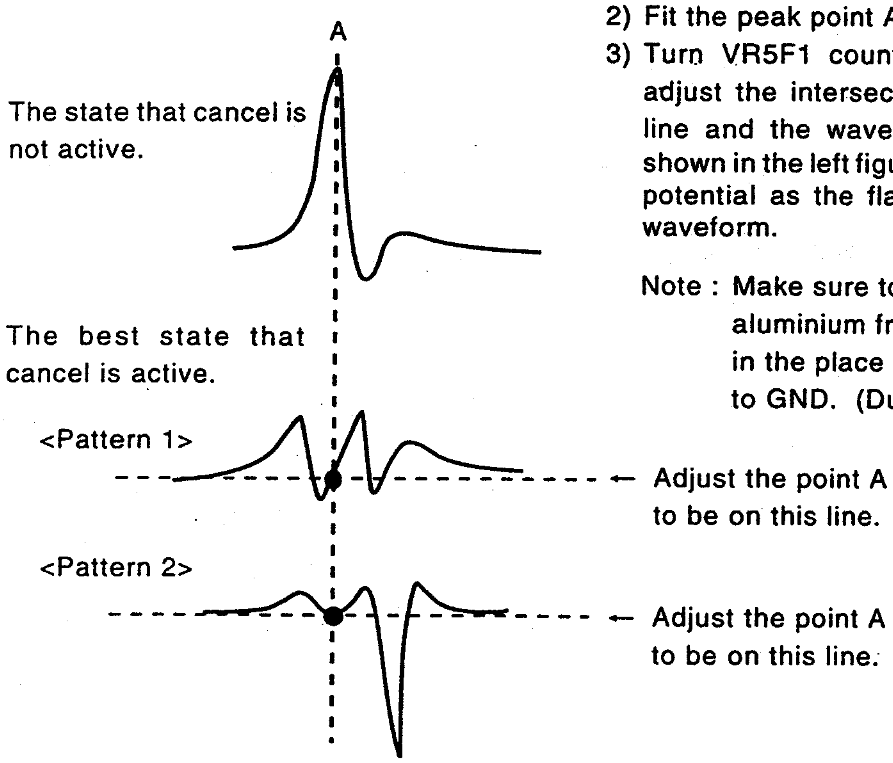
Note : Keep the monitor for measuring 2m away from the other monitor.

(3)Adjust VR5F1 on the PWB-MAIN and set the voltage of waveform (p-p value) to the minimum.


JIG
TCO disk prove
Oscilloscope
30cm
INPUT
EXT. TRIG.
To H-sync
Monitor
Don't cross the monitor.

1) Turn VR5F1 clockwise completely and make the state that cancel is not active.
2) Fit the peak point A to the vertical line.
3) Turn VR5F1 counterclockwise slowly and adjust the intersection point of the vertical line and the waveform (The point with ● shown in the left figure) to the same electrical potential as the flat part on the left of the waveform.

Note : Make sure to connect the aluminium frame of the chamber in the place for TCO adjustment to GND. (Due to noise occurring)


A
The state that cancel is not active.
The best state that cancel is active.
<Pattern 1>
Adjust the point A to be on this line.
<Pattern 2>
Adjust the point A to be on this line.

4.8.11 Factory preset

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Factory preset	Normal	Each timing
		SW100, D-SUB side	

(1)Set the selection of the color coordination to COLOR-1 for all of the adjustment timings.

(2)Set the SW100 on the PWB-DISPLAY to the D-SUB side (NORMAL MODE).

(3)Select the CONTRAST and the BRIGHT with the SELECT button on the front control panel. Press the (+) and the (-) ADJUST buttons simultaneously and adjust the CONTRAST to the MAX and the BRIGHT to the CENTER.

(4)Select the ROTATION with the SELECT button on the front control panel. Press the (+) and the (-) ADJUST buttons simultaneously and adjust to the CENTER.

(5)Select the H-STATIC with the SELECT button on the front control panel. Press the (+) and the (-) ADJUST buttons simultaneously and adjust to the CENTER.

(6)Select the PURITY with the SELECT button on the front control panel. Press the (+) and the (-) ADJUST buttons simultaneously and adjust to the CENTER.

(7)Set the adjustment items except the above items to contents in the table shown below in the factory mode.

Adjustment item	Setting contents	Setting classification	
		by timing	Common
CONNECTOR	D-SUB side		○
POWER-SAVE	ON		○
MOIRE-CLEAR	OFF	○	
MOIRE-CLEAR LEVEL	255	○	
CLAMP-PULSE	BACK	○	

(8)Set the power switch to OFF.

(9)Set the SYNC TERMINATION switch on the rear input connector as follows.

Type 1; Set to 1kΩ.

4.9 Inspection after adjustment

4.9.1 Electrical capability

Inspect the electrical capability after setting the CONTRAST to MAX and the BRIGHT to the CENTER by pressing the (+) and the (-) ADJUST buttons simultaneously.

4.9.1.1 Degaussing coil operating

Confirm that the picture vibrates and then stops when setting the degaussing switch to ON on the front panel.

4.9.1.2 POWER SAVE function operating

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Power save function operating	Normal	No. 6 : 93.75K / 75Hz
		SW100, D-sub	Full white

Input the full white signal of the timing No. 6 by disconnecting the R, G, B signals.
Set the OSD screen to the POWER SAVE with the SELECT buttons on the front panel and set the POWER SAVE function to ON with the (+) ADJUST button.

(1)STAND BY MODE

(A) Disconnect the H-SYNC signal. After 10 seconds, display the POWER SAVE on the screen for 2 seconds and confirm that the high voltage goes down.
Confirm that the POWER LED blinks at 0.5-second intervals and that the power consumption is 110W or less.

(B) Confirm that the picture comes again as soon as inputting the H-SYNC.

(2)SUSPEND MODE

(A) Disconnect the V-SYNC signal. After 10 seconds, display the POWER SAVE on the screen for 2 seconds and confirm that the high voltage goes down.
Confirm that the POWER LED blinks at 2-second intervals after the high voltage goes down.
Confirm that the consumption power is 8.5W or more 15W or less.

(B) Confirm that the picture comes again within 3 seconds after inputting the V-SYNC and that the high voltage restores.

(3)COMPLETE MODE

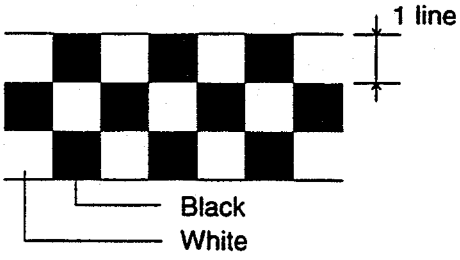
(A) Disconnect the H-SYNC and V-SYNC signal simultaneously. After 10 seconds, display the POWER SAVE on the screen for 2 seconds and confirm that the high voltage goes down.
Confirm that the POWER LED powers on for 3 seconds and off for a second after the high voltage goes down. Confirm that the consumption power is 6W or more 8W or less.

(B) Confirm that the picture comes again and brightens presently within 12 seconds after inputting the H-SYNC and V-SYNC and that the high voltage restores.

4.9.1.3 Confirm the MOIRE-CLEAR function

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	MOIRE-CLEAR function	Normal	No. 4 : 68.7K / 75.1Hz
		SW100, D-sub	MOIRE pattern removed one dot alternately

Input the timing of MOIRE pattern removed one dot alternately (checks) to confirm the auto calibration. Set the MOIRE-CLEAR function to ON and confirm that the picture vibrates to the horizontal.



4.9.1.4 Confirm the PURITY function

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Purity	Normal	No. 6 : 93.75K / 75Hz
		SW100, D-sub side	Full white

After inputting the full white signal of the timing No. 6, set the OSD screen to the PURITY with the SELECT buttons on the front panel. Confirm that the color coordination at the peripheral of the picture changes by pressing the (+) and the (-) ADJUST buttons, and that the color coordination goes back to the center by pressing the buttons simultaneously.

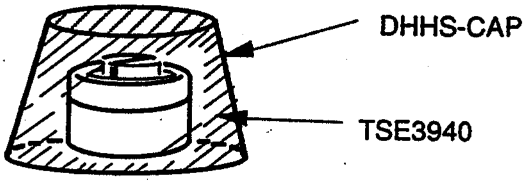
4.9.1.5 Focus and picture performance

The almost whole picture is clear.

4.9.1.6 Fix the parts

(1)After finishing the adjustment inspection, fix the FBT focus pack; FOCUS 1, FOCUS 2 and SCREEN-VR with he yellow or white paint.

(2)Cover VR601 on the PWB-MAIN with the DHHS-CAP. Use the adhesive TSE3940.



4.9.1.7 Confirm the luminance of the full white

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	The luminance of the full white	Normal	No. 6 : 93.75K / 75Hz
		SW100, D-sub side	Full white

Confirm that the luminance of the full white is the DRIVE signal adjustment timing (A, B, D, F) and the following value.

The luminance of the full white (cd/m²)

	Color 1	Color 2	Color 3	Reference
Type 1	103 or more	90 or more	80 or more	

4.9.1.8 Luminance and color coordination uniformity

Status indicator	Function	Adjustment mode / set	Input signal / pattern
	Luminance and color coordination uniformity	Normal	No. 6 : 93.75K / 75Hz
		SW100, D-sub side	

The ratio of the luminance at the center and at the peripheral is 75% or more.

The difference of the color coordination at the center and at the peripheral is Δ x, y < ±0.020. (Confirm the difference between the COLOR 2 and the COLOR 3 by the visual inspection. The difference of the color coordination at the center and at the peripheral between the COLOR 2 and the COLOR 3 is Δ x, y < ±0.020. Do not change the color by the abrupt contrast change.

4.9.1.9 Confirm the color coordination of the full white

Confirm that the color coordination at the center of the full white is within the following value in the drive signal adjustment timing.

Confirm the color coordination of the full white

	Confirmation items		COLOR 1	COLOR 2	COLOR 3
Type 1	Color coordination	x	0.283±0.010	0.316±0.010	0.345±0.010
		y	0.297±0.010	0.326±0.010	0.359±0.010

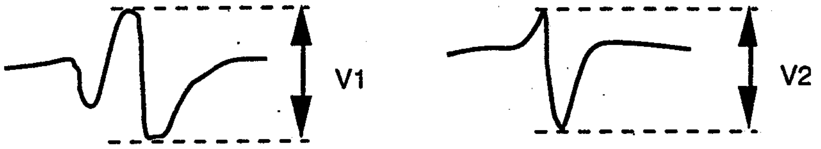
4.9.1.10 Confirm TCO adjustment (Confirm disc waveform)

How to measure is same as <Cancel voltage adjustment> in 4.8.10 TCO adjustment.

Set the trigger input of the oscilloscope to the INTERNAL TRIG. and trigger with the waveform voltage of TCO disk probe.

Confirm the peak in the voltage such as V1 and V2 shown below are within 2.0mV in disc waveform.

Regard the disc waveform the voltage is more than 2.0mV as NG.



4.9.1.11 Others

(1)The change in pressing the PUSH button is smooth and the abnormality of noise etc. is not detected.

(2)Do not flow synchronization from ON-OFF of the power switch.

(3)Confirm the POWER LED is ON.

4.10 DDC function check [Use DDC tool (special supply)]

Write by combining with the PC (IBM-PC compatible).

Confirm the clock built-in the PC is set correctly when preparing for writing.

As to details, refer to the exclusive software [N & R Chassis EEPROM EDITORS FOR WINDOWS (special supply)].

4.10.1 Writing and checking of DDC•EDID data

(1)Select the symmetry model in compliance with the display of the monitor. (Execute this operation first only when setting up the monitor or changing the model.

(2)Turn on the monitor.

(3)Write the data to EEPROM for DDC in compliance with the display of the monitor. The contents of the data is specified on the next page. In this time, confirm the indicator of the LED is green.

(4)Turn off the monitor in compliance with the display of the monitor and on again after 2 seconds or more.

(5)Check the DDC function in compliance with the display of the monitor at 1 second or more after powering on. Confirm the indicator of the LED in green.

4.10.2 Serial number setting (Type 1 only)

(1)Serial number setting specification

Read the above serial number with the bar cord system and set the serial number with the following conversion.

S/N → 16 ary conversion → Save data in order of the lower order (As VESA standard)

(Ex.) 512002978 → 1E848BA2 → Adress0C : A2

Adress0D : 8B

Adress0E : 84

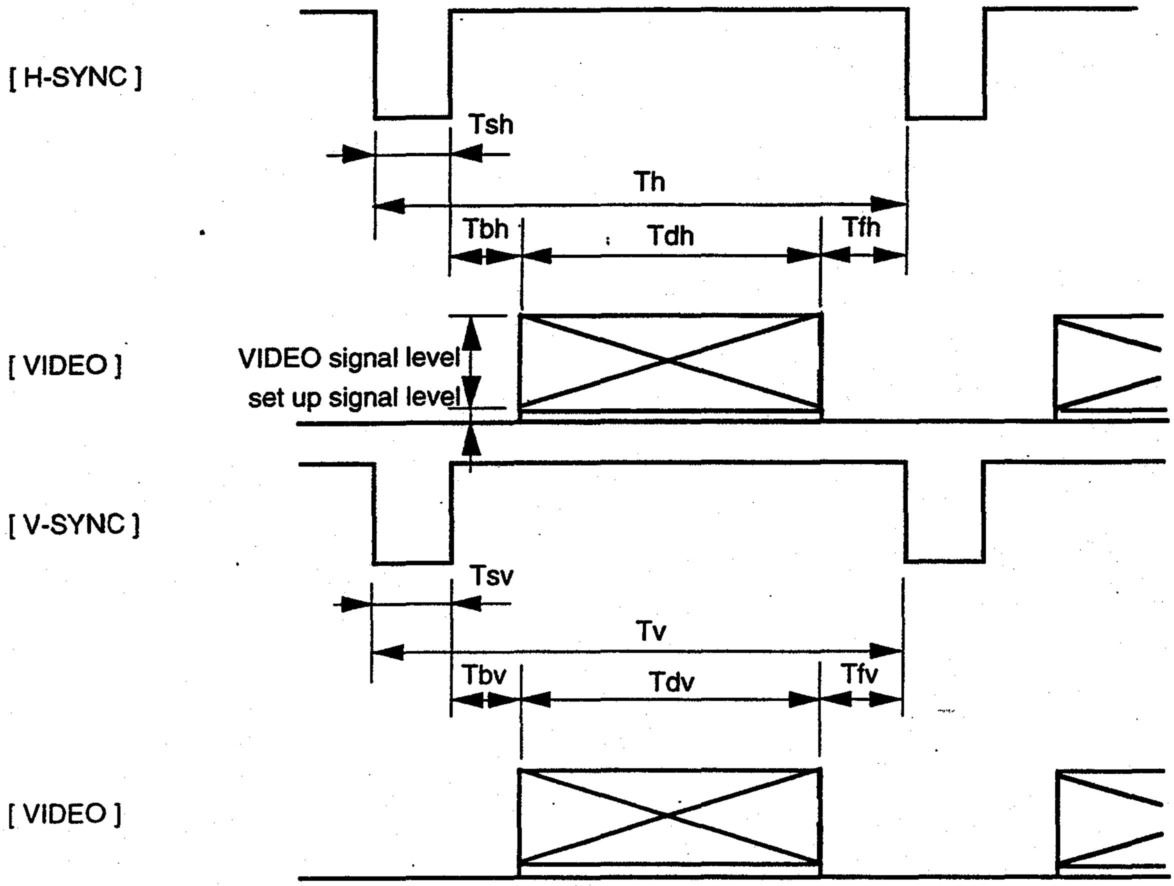
Adress0F : 1E

4.10.3The contents of DDC data writing

The contents of DDC writing data is as follows.

Type	Model name	File name	Data (EDID)Reference	Reference
1	TFW9105SKTKW	W-MEL-2.TXT	00 ff ff ff ff ff ff 00 34 ac e0 40 * * * * W Y 01 00 0e 26 1c 69 e8 04 88 a0 57 4a 9b 26 12 48 4c 24 67 80 a9 4f 81 8f 61 4f 45 4f 31 4f 01 01 01 01 01 01 1a 4f 40 e1 60 b0 32 40 40 80 13 20 7c 1d 11 00 00 1e 86 3d 00 66 51 00 27 40 20 a0 33 00 64 1d 11 00 00 1a 02 3a 00 a0 51 00 27 40 20 a0 33 00 7c 1d 11 00 00 1a ea 24 00 a0	In the data of the left W : Week of manufacture Y : Year of Manufacture S : Set the check SAM with PC.

4.11 Timing chart


[H-SYNC]
Tsh
Th
Tbh
Tdh
Tfh
[VIDEO]
VIDEO signal level
set up signal level
[V-SYNC]
Tsv
Tv
Tbv
Tdv
Tfv
[VIDEO]

* Refer to the next page for the preset timing

4.12 Adjustment timing

NO	Fh (kHz)	Clock (MHz)	Th (μSEC) (dot)	Tsh (μSEC) (dot)	Tfh (μSEC) (dot)	Tbh (μSEC) (dot)	Tdh (μSEC) (dot)	Fv (Hz)	Tv (mSEC) (line)	Tsv (mSEC) (line)	Tfv (mSEC) (line)	Tbv (mSEC) (line)	Tdv (mSEC) (line)	Hs	Vs	VIDEO level (V)	set up level (V)	Type 1	Reference
A	30		33.333 (1684)	4.000 (202)	1.000 (51)	3.000 (152)	25.333 (1280)	70.10	14.268 (1057)	0.064 (3)	1.176 (4)	1.906 (26)	11.122 (1024)	+	—	0.7	—		H-FREE RUNNING, +B HDRIVE adjustment
B	56.48		17.707 (1494)	1.813 (153)	0.320 (27)	1.920 (162)	13.653 (1152)	70.07	14.272 (913)	0.106 (7)	0.053 (3)	0.513 (33)	13.599 (870)	+	—	0.7	—		H-FREE RUNNING, +B HDRIVE adjustment
C	84		11.900 (1731)	1.000 (145)	0.700 (102)	1.400 (204)	8.800 (1280)	82.4	12.130 (1064)	0.034 (3)	0.038 (3)	0.388 (34)	11.670 (1024)	+	—	0.7	—		H -FREE RUNNING adjustment
D	86		11.627 (1353)	1.000 (116)	0.427 (50)	1.400 (163)	8.800 (1024)	82.4	12.130 (798)	0.034 (2)	0.038 (2)	0.388 (26)	11.670 (768)	—	+	0.7	—		HDRIVE adjustment
E	88		11.360 (1451)	1.000 (128)	0.190 (24)	1.400 (179)	8.767 (1120)	82.4	12.130 (780)	0.034 (2)	0.038 (3)	0.388 (25)	11.670 (750)	+	—	0.7	—		H -FREE RUNNING adjustment
F	93.8		10.667 (2160)	0.948 (192)	0.316 (64)	1.501 (304)	7.901 (1600)	75.00	13.333 (1250)	0.032 (3)	0.011 (1)	0.491 (46)	12.800 (1200)	+	—	0.7	—		H-FREE RUNNING, +B HDRIVE adjustment
For check	35		28.571	2.116	1.091	4.200	21.164	66.7	15.000	0.086	0.086	1.114	13.714	S/G		0.7	—		For checking
1	37.50	31.500	26.667 (840)	2.032 (64)	0.508 (16)	3.810 (120)	20.317 (640)	75.00	13.333 (500)	0.080 (3)	0.027 (1)	0.426 (16)	12.800 (480)	—	—	0.7	—	▲ 6	VESA(640*480)
2	46.9	49.500	21.33 (1056)	1.616 (80)	0.323 (16)	3.232 (160)	16.162 (800)	75.00	13.333 (625)	0.064 (3)	0.021 (1)	0.448 (21)	12.800 (600)	+	+	0.7	—	▲ 7	VESA(800*600)
3	60	78.750	16.661 (1312)	1.219 (96)	0.203 (16)	2.235 (176)	13.004 (1024)	75.03	13.328 (800)	0.050 (3)	0.017 (1)	0.466 (28)	12.795 (768)	+	+	0.7	—	○ 0	VESA(1024*768)
4	68.70	100.000	14.560 (1456)	1.280 (128)	0.320 (32)	1.440 (144)	11.520 (1152)	75.10	13.322 (915)	0.044 (3)	0.043 (3)	0.568 (39)	12.667 (870)	—	—	0.7	—	○ 1	APPLE 21(1152*870)
5	79.98	135.000	12.504 (1688)	1.067 (144)	0.119 (16)	1.837 (248)	9.481 (1280)	75.03	13.329 (1066)	0.038 (3)	0.013 (1)	0.475 (38)	12.804 (1024)	+	+	0.7	—	○ 2	VESA(1280*1024)
6	93.75	202.500	10.667 (2160)	0.948 (192)	0.316 (64)	1.501 (304)	7.901 (1600)	75.00	13.333 (1250)	0.032 (3)	0.011 (1)	0.491 (46)	12.800 (1200)	+	+	0.7	—	○ 3	VESA(1600*1200)
7	31.50	25.175	31.778 (800)	3.813 (96)	0.636 (16)	1.907 (48)	25.422 (640)	59.94	16.683 (525)	0.064 (2)	0.318 (10)	1.048 (33)	15.253 (480)	—	—	0.7	—	▲ 4	IBM 480(640*480)
8	31.50	28.300	31.777 (900)	3.813 (108)	0.635 (18)	1.907 (54)	25.422 (720)	70.09	14.268 (449)	0.064 (2)	0.413 (13)	1.080 (34)	12.711 (400)	—	+	0.7	—		DEC(720*400)
9	49.70	57.270	20.115 (1152)	1.118 (64)	0.559 (32)	3.910 (224)	14.528 (832)	74.50	13.417 (667)	0.060 (3)	0.020 (1)	0.785 (39)	12.552 (624)	—	—	0.7	—	▲ 8	APPLE 16(832*624)
10	56.48	75.000	17.707 (1328)	1.813 (136)	0.320 (24)	1.921 (144)	13.653 (1024)	70.07	14.272 (1064)	0.106 (3)	0.053 (6)	0.514 (31)	13.599 (768)	—	—	0.7	—	▲ 9	VESA(1024*768)
11	63.97	108.500	15.631 (1696)	1.180 (128)	0.590 (64)	2.065 (224)	11.797 (1280)	60.01	16.663 (1066)	0.047 (3)	0.016 (1)	0.594 (38)	16.01 (1024)	+	+	0.7	—	▲ 10	VESA(1280*1024)
12	68.68	94.500	14.561 (1376)	1.016 (96)	0.508 (48)	2.201 (208)	10.836 (1024)	85.00	11.765 (808)	0.044 (3)	0.015 (1)	0.524 (36)	11.183 (768)	+	+	0.7	—	▲ 11	VESA(1024*768)
13	75.00	126.000	13.333 (1680)	1.143 (144)	0.254 (32)	1.778 (224)	10.159 (1280)	75.00	13.333 (100)	0.040 (3)	0.013 (1)	0.480 (36)	12.800 (960)	+	+	0.7	—	▲ 12	VESA(1280*960)
14	81.25	175.500	12.308 (2160)	1.094 (192)	0.365 (64)	1.732 (304)	9.117 (1600)	65.00	15.385 (1250)	0.037 (3)	0.012 (1)	0.566 (46)	14.769 (1200)	+	+	0.7	—	▲ 13	VESA(1600*1200)
15	85.94	148.500	11.636 (1728)	1.077 (160)	0.323 (48)	1.616 (240)	8.620 (1280)	85.00	11.764 (1011)	0.035 (3)	0.012 (1)	0.547 (47)	11.171 (960)	+	+	0.7	—	▲ 14	VESA(1280*960)
16	91.15	157.500	10.971 (1728)	1.016 (160)	0.305 (48)	1.524 (240)	8.127 (1280)	85.02	11.761 (1072)	0.033 (3)	0.011 (1)	0.483 (44)	11.235 (1024)	+	+	0.7	—	▲ 15	VESA(1280*1024)
17	31.50	25.175	31.778 (800)	3.813 (96)	0.636 (16)	1.907 (48)	25.422 (640)	70.09	14.268 (449)	0.064 (2)	0.382 (12)	1.111 (35)	12.711 (400)	—	+	0.7	—	▲ 5	IBM 400(640*400)
18	63.78	114.290	15.680 (1792)	1.960 (224)	0.560 (64)	1.960 (224)	11.200 (1280)	59.66	16.761 (1069)	0.047 (3)	0.000 (0)	0.659 (42)	16.055 (1024)	S/G		0.66	0.05		ME(1280*1024)
19	75.00	162.000	13.333 (2160)	1.185 (192)	0.395 (64)	1.877 (304)	9.877 (1600)	60.00	16.667 (1250)	0.040 (3)	0.013 (1)	0.613 (46)	16.000 (1200)	+	+	0.7	—		VESA(1600*1200)
20	78.13	135.000	12.799 (1728)	1.422 (192)	0.474 (64)	1.422 (192)	9.481 (1280)	72.00	13.888 (1085)	0.038 (3)	0.038 (3)	0.704 (55)	13.108 (1024)	S/G		0.66	0.05		ME/R(1280*1024)

○ mark : Factory adjustment

× mark : Factory adjustment (But it is not the preset, so the specification of picture distortion is not applicable.

▲ mark : Initial data (So long as the initial data, take Hs : +, Vs : - for the sync. signal. H-SIZE,H-PHASE,DBF-H-AMP and DBF-H PHASE needs the factory adjustment.

Numbering after the mark is the preset numbering.

4.13 Adjustment value list

The horizontal size, the vertical size and DBF-H amplitude are within the following value.

Timing No.	Horizontal size (mm)	Vertical size (mm)	DBF-H amplitude
	Type1	Type 1	Type 1
1	380±5	285±4	355±10
2	380±5	285±4	355±10
3	380±5	285±4	355±10
4	380±5	285±4	355±10
5	356±5	285±4	330±10
6	380±5	285±4	355±10
7	380±5	285±4	355±10
8	380±5	285±4	355±10
9	380±5	285±4	355±10
10	380±5	285±4	355±10
11	356±5	285±4	330±10
12	380±5	285±4	355±10
13	380±5	285±4	355±10
14	380±5	285±4	355±10
15	380±5	285±4	355±10
16	356±5	285±4	330±10
17	380±5	285±4	355±10
18			
19			
20			

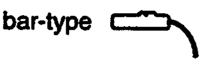
4.14 How to degauss with the hand demagnetizer

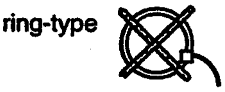
General notice

Degauss with the power of the monitor ON.

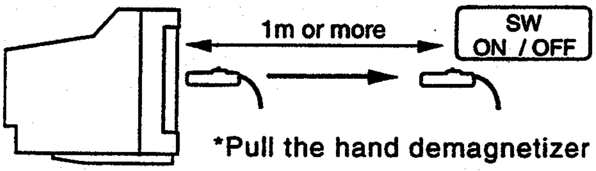
For using the hand demagnetizer, leave 1 ~ 1.5m or more from the CRT surface, when powering the degauss switch On or OFF.

Do not use the hand demagnetizer of *ring-type but *bar-type.





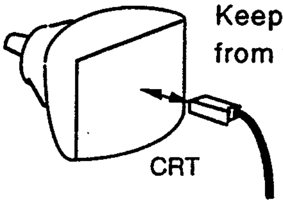
For the CRT surface, side and back, degauss as carefully and slowly (***1m / 3 seconds***) as possible. When keeping the hand demagnetizer coil at a distance from the CRT surface, work as slowly as possible, as shown below. When keeping quickly it at a distance, the stripes remains at the corner on the screen.



*Pull the hand demagnetizer slowly (***1m / 3 seconds***) from the center of the CRT surface.

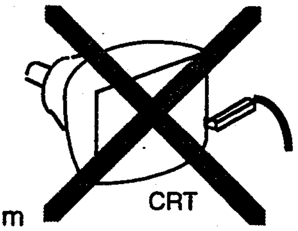
How to have and use the hand demagnetizer

Turn the axial-direction of the hand demagnetizer at a right angle with the CRT.

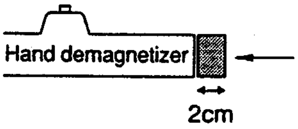


Keep ***2 cm or more*** from the CRT surface.

Do not turn the axial-direction of the hand demagnetizer to the parallel to the CRT.



As it is possible that aperture grilles twine themselves around, we recommend the following plan.

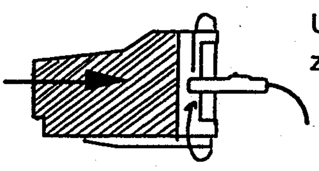


Attach the styrene foam to the head side.

Moving the hand demagnetizer to the CRT surface as carefully and slowly (***1m / 3 seconds) as*** possible. Then, turn the hand demagnetizer 2 ~ 3 times slowly around the side of CRT.

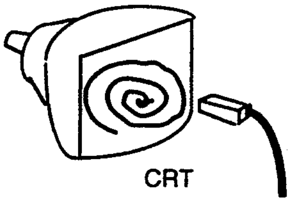
Do not use the hand demagnetizer on the rear cover of the shadow area.

Note: In case of needing to degauss the rear cover area, bear in mind that you must degauss slowly (***1m / 3 seconds***).



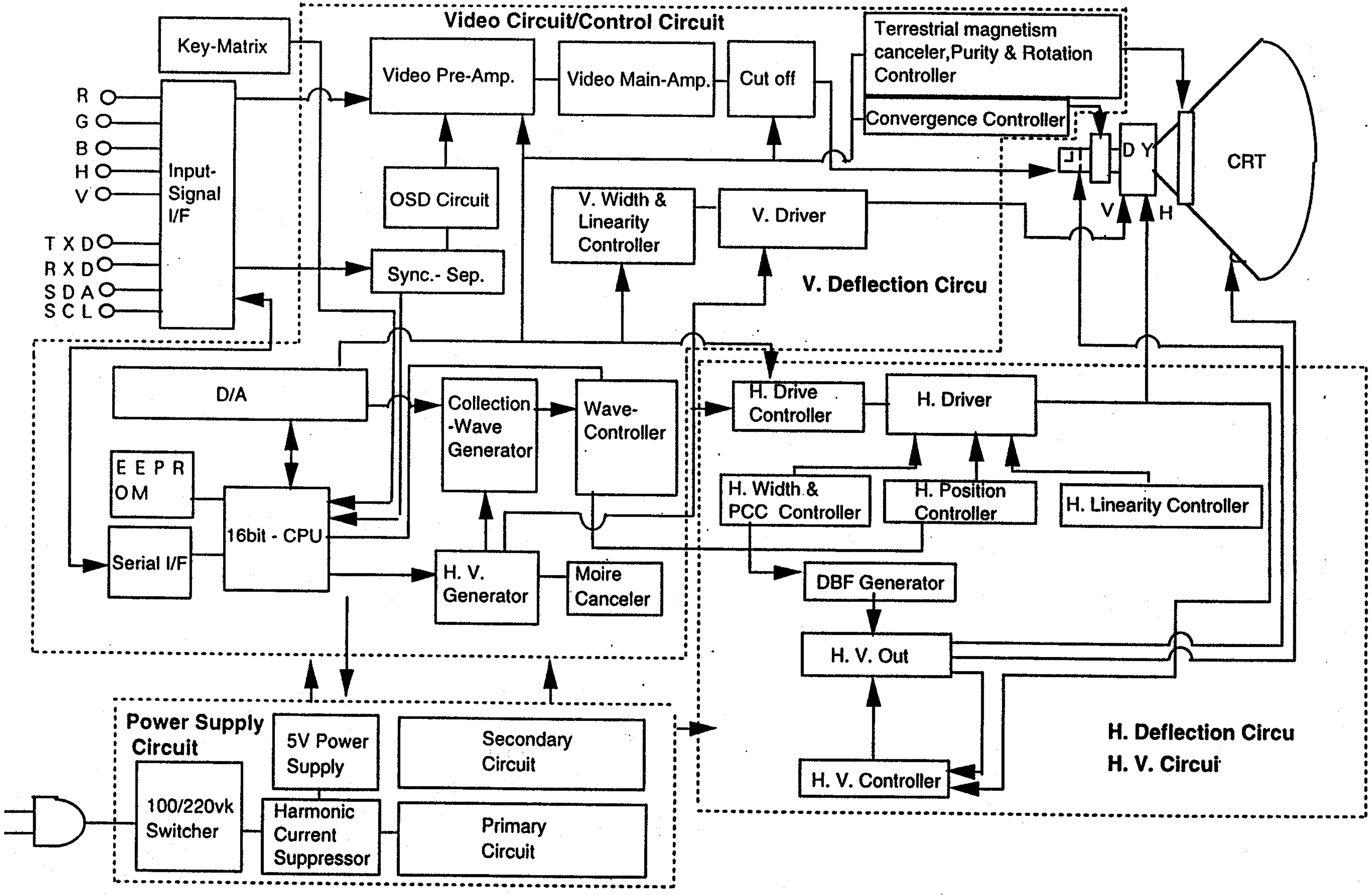
Use on the bezel zone like this.

Moving the hand demagnetizer to the CRT surface as carefully and slowly (***1m / 3 seconds***) as possible. Then, turn the hand demagnetizer 4 ~ 5 times slowly like the under figure.

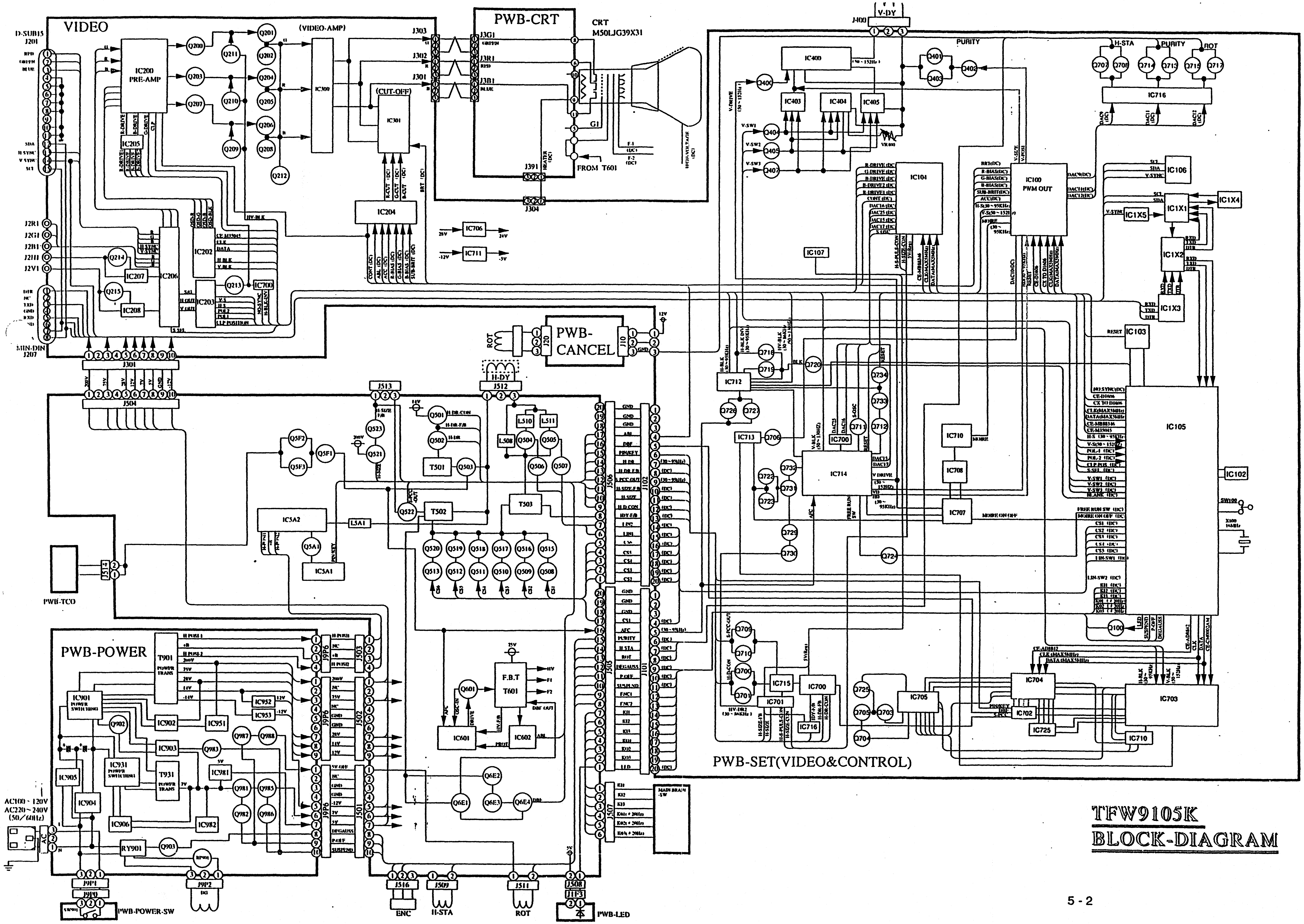


Keep ***2 cm or more*** from the CRT surface.

Finally, remove from the CRT surface as slowly (***1m / 3 seconds***) as possible.

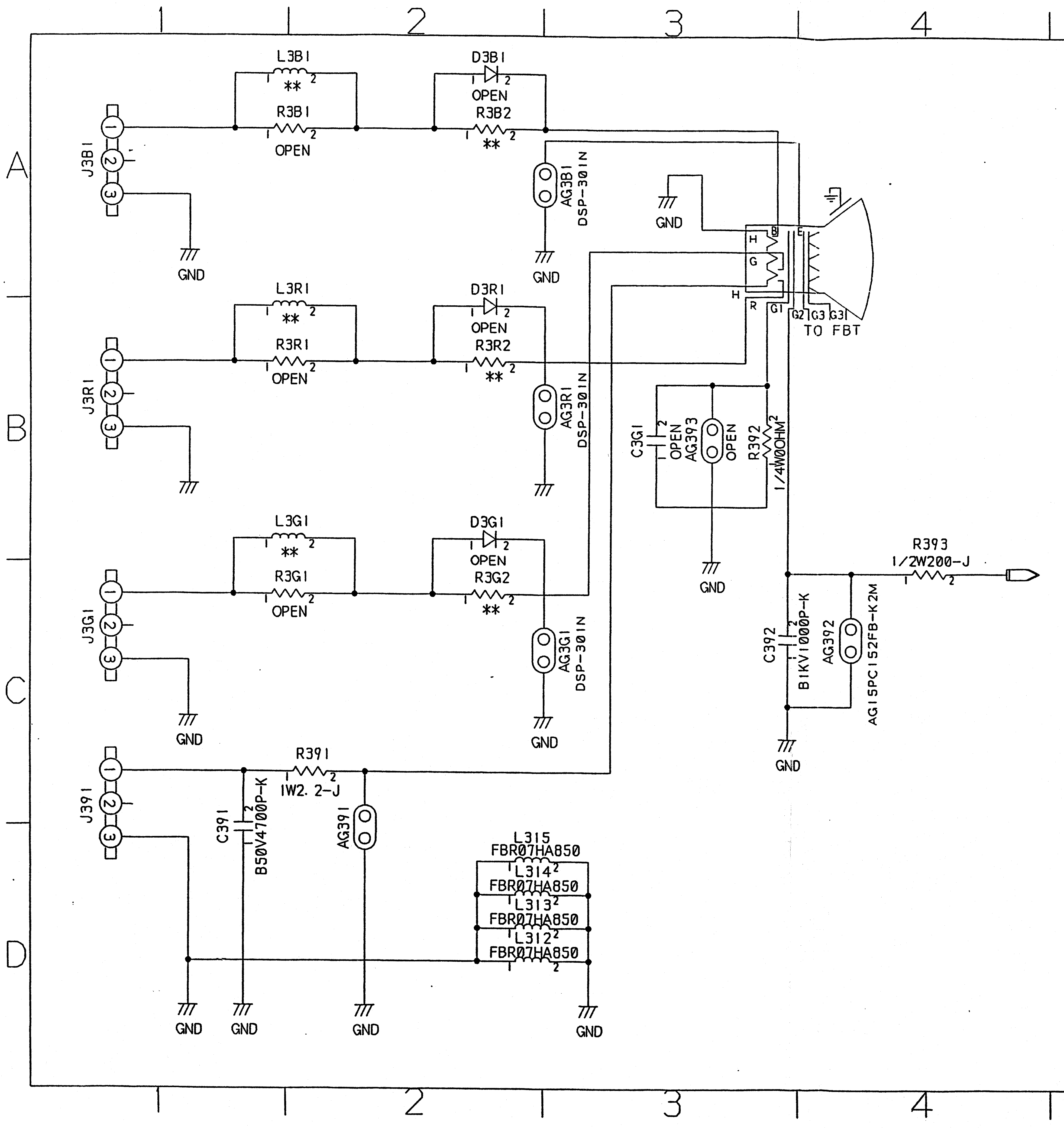

Video Circuit/Control Circuit
Key-Matrix
R
G
B
H
V
T X D
R X D
S D A
S C L
Input-Signal I/F
Video Pre-Amp.
Video Main-Amp.
Cut off
Terrestrial magnetism canceler,Purity & Rotation Controller
Convergence Controller
CRT
D Y
V
H
OSD Circuit
Sync.- Sep.
V. Width & Linearity Controller
V. Driver
V. Deflection Circu
D/A
E E P R OM
16bit - CPU
Serial I/F
Collection -Wave Generator
Wave-Controller
H. V. Generator
Moire Canceler
H. Drive Controller
H. Driver
H. Width & PCC Controller
H. Position Controller
H. Linearity Controller
DBF Generator
H. V. Out
H. V. Controller
H. Deflection Circu
H. V. Circui
Power Supply Circuit
5V Power Supply
Secondary Circuit
100/220vk Switcher
Harmonic Current Suppressor
Primary Circuit

W chassis Block Diagram


VIDEO
D-SUB15
J201
MIN-DIN
J207
IC200
PRE-AMP
(VIDEO-AMP)
IC300
IC301
(CUT-OFF)
IC204
IC202
IC203
IC205
IC206
IC207
IC208
IC700
J2R1
J2G1
J2B1
J2H1
J2V1
J301
J302
J303
PWB-CRT
CRT
M50LJG39X31
J3G1
J3R1
J3B1
G1
FROM T601
HIGH-VOLTAGE
J391
J304
IC706
IC711
PWB-CANCEL
ROT
J20
J10
J301
J504
J513
J512
H-DY
PWB-TCO
J514
IC5A2
IC5A1
L5A1
T501
T502
T503
L510
L511
L508
F.B.T
T601
IC601
IC602
J506
J505
J507
J102
J101
MAIN BRAIN -SW
PWB-POWER
T901
POWER TRANS
IC901
POWER SWITCHING
IC902
IC903
IC904
IC905
IC906
IC931
POWER SWITCHING
T931
POWER TRANS
IC951
IC952
IC953
IC981
IC982
RY901
AC100 ~ 120V
AC220 ~ 240V
(50/60Hz)
J9P6
J503
J502
J501
J9P1
J9P2
J910
PWB-POWER-SW
DG
J516
ENC
J509
H-STA
J511
ROT
J508
J1F3
PWB-LED
J400
V-DY
PURITY
H-STA
PURITY
ROT
IC400
IC403
IC404
IC405
IC716
IC104
IC100
PWM OUT
IC106
IC1X1
IC1X2
IC1X3
IC1X4
IC1X5
IC103
IC107
IC105
IC102
IC712
IC713
IC714
IC700
IC710
IC708
IC707
IC715
IC700
IC701
IC716
IC705
IC704
IC702
IC725
IC703
IC710
PWB-SET(VIDEO&CONTROL)

TFW9105K

BLOCK-DIAGRAM


1
2
3
4
5
6
A
B
C
D
J3B1
L3B1
**
R3B1
OPEN
D3B1
OPEN
R3B2
**
AG3B1
DSP-301N
GND
J3R1
L3R1
**
R3R1
OPEN
D3R1
OPEN
R3R2
**
AG3R1
DSP-301N
J3G1
L3G1
**
R3G1
OPEN
D3G1
OPEN
R3G2
**
AG3G1
DSP-301N
GND
J391
R391
1W2.2-J
C391
B50V4700P-K
AG391
L315
FBR07HA850
L314
FBR07HA850
L313
FBR07HA850
L312
FBR07HA850
GND
H
G
H
R
B
E
G1
G2
G3
G3
TO FBT
C3G1
OPEN
AG393
OPEN
R392
1/4W0OHM
GND
R393
1/2W200-J
C392
B1KV1000P-K
AG392
AG15PC152FB-K2M
GND

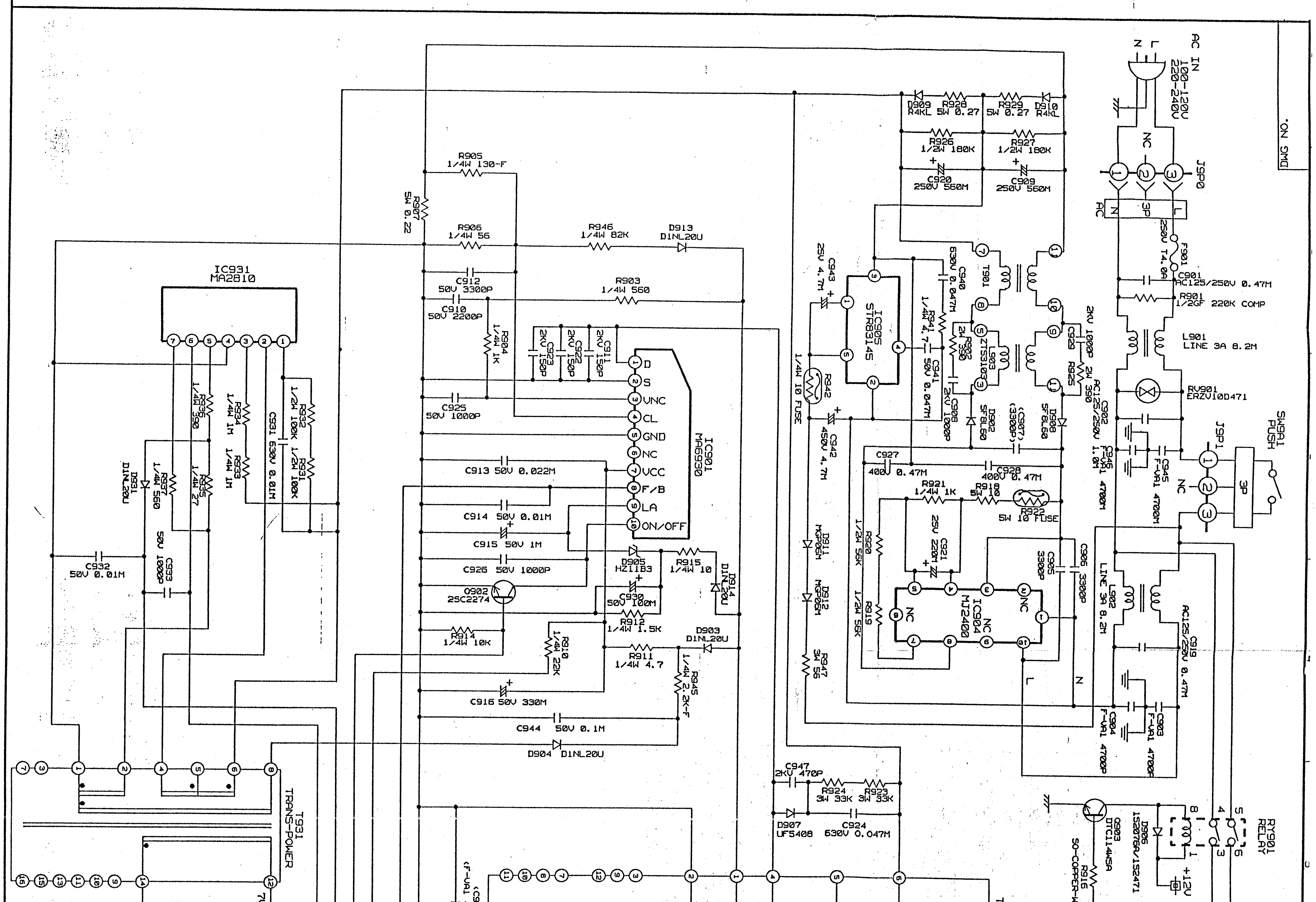
W - CRT

	群1	群2 (DEC)
L3G1	UA850	VB850
L3R1	UA850	VB850
L3B1	UA850	VB850
R3G2	1/2W 68-J	1/2W 82-J
R3R2	1/2W 68-J	1/2W 100-J
R3B2	1/2W 68-J	1/2W 100-J

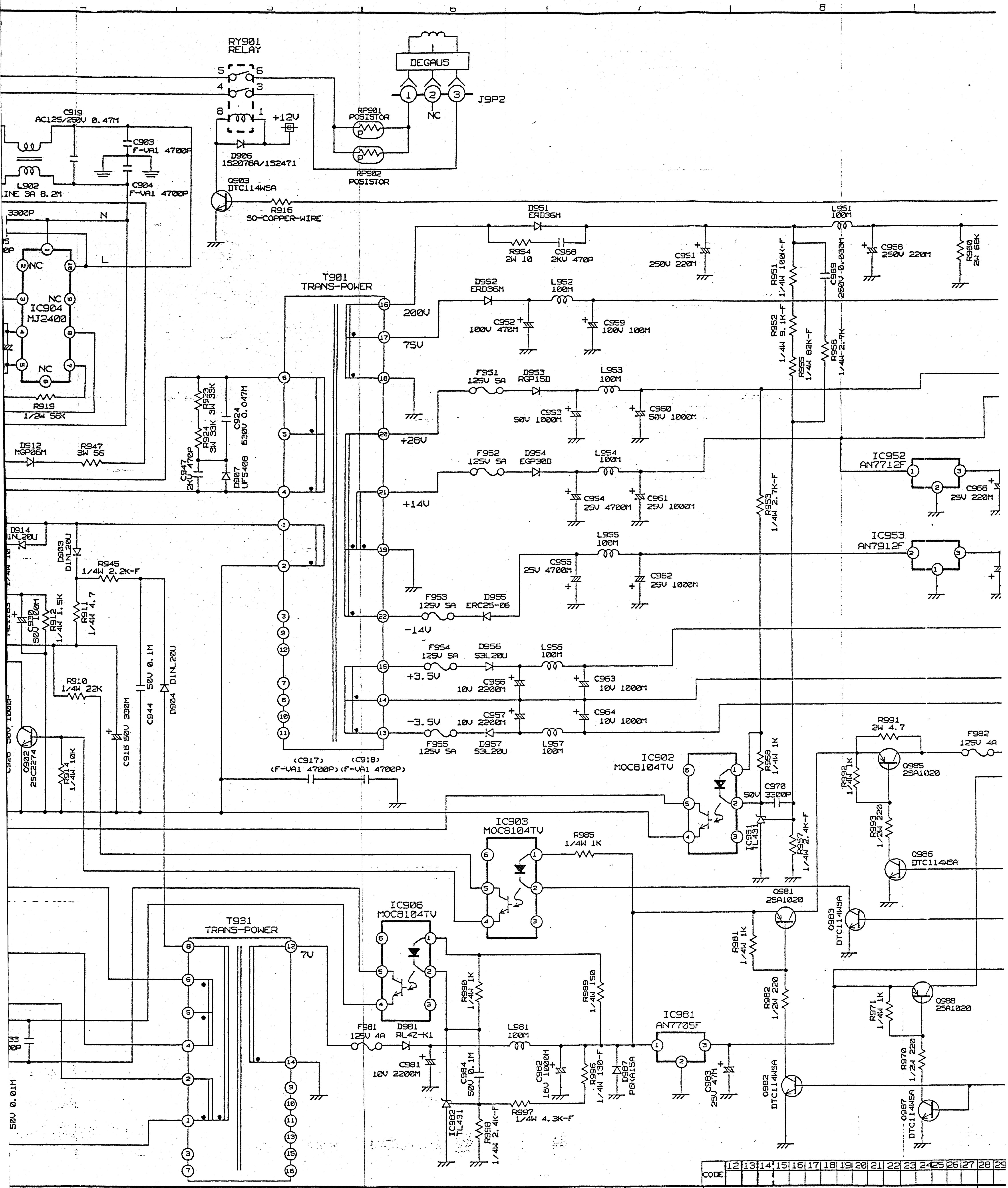
CHANGE

DRAWING
TITLE=POWER_Ver.1.1
ABBREV=W_POWER
LAST_MODIFIED=Mon Aug 26 13:36:22 1996

DWG NO.



H
G
F
D
AC IN
100-120V
220-240V
L
N
NC
J9P0
AC
3P
F901
250V T4.0A
C901
AC125/250V 0.47M
R901
1/2GF 220K COMP
L901
LINE 3A 8.2M
RV901
ERZV10D471
SW9A1
PUSH
J9P1
C945
F-VA1 4700M
C946
F-VA1 4700M
C902
AC125/250V
D909 R4KL
R928 5W 0.27
R929 5W 0.27
D910 R4KL
R926 1/2W 180K
R927 1/2W 180K
C920 250V 560M
C909 250V 560M
T901
C940 630V 0.047M
C929 2KV 1000P
R925 2W 390
R941 1/4W 4.7
R902 2W 390
L903 ZTS3103
C941 50V 0.047M
C908 2KV 1000P
D902 SFBL60
C907 (3300P)
D908 SFBL60
IC905
STR83145
C943 25V 4.7M
R942 1/4W 10 FUSE
C942 450V 4.7M
C927 400V 0.47M
C928 400V 0.47M
R921 1/4W 1K
R918 5W 10
R922 5W 10 FUSE
C921 25V 220M
R920 1/2W 56K
R919 1/2W 56K
D911 MGP06M
D912 MGP06M
R947 3W 56
IC904
MJ2400
NC
C905 3300P
C906 3300P
L902 LINE 3A 8.2M
C919 AC125/250V 0.47M
C903 F-VA1 4700P
C904 F-VA1 4700P
RY901 RELAY
+12V
D906 1S2076A/1S2471
Q903 DTC114ESA
R916 SO-COPPER-W
C947 2KV 470P
R924 3W 33K
R923 3W 33K
D907 UF5408
C924 630V 0.047M
R905 1/4W 130-F
R907 5W 0.22
R906 1/4W 56
R946 1/4W 82K
D913 D1NL20U
C912 50V 3300P
R903 1/4W 560
C910 50V 2200P
R904 1/4W 1K
C923 2KV 150P
C922 2KV 150P
C911 2KV 150P
IC901
MA6930
D
S
VNC
CL
GND
NC
VCC
F/B
LA
ON/OFF
C925 50V 1000P
C913 50V 0.022M
C914 50V 0.01M
C915 50V 1M
C926 50V 1000P
Q902 2SC2274
D905 HZ11B3
R915 1/4W 10
D914 D1NL20U
C930 50V 100M
R912 1/4W 1.5K
R914 1/4W 10K
R910 1/4W 22K
D903 D1NL20U
R911 1/4W 4.7
R945 1/4W 2.2K-F
C916 50V 330M
C944 50V 0.1M
D904 D1NL20U
IC931
MA2810
R936 1/4W 390
R934 1/4W 1M
R933 1/4W 1M
C931 630V 0.01M
R932 1/2W 100K
R931 1/2W 100K
R937 1/4W 560
R935 1/4W 27
D931 D1NL20U
C932 50V 0.01M
C933 50V 1000P
T931
TRANS-POWER

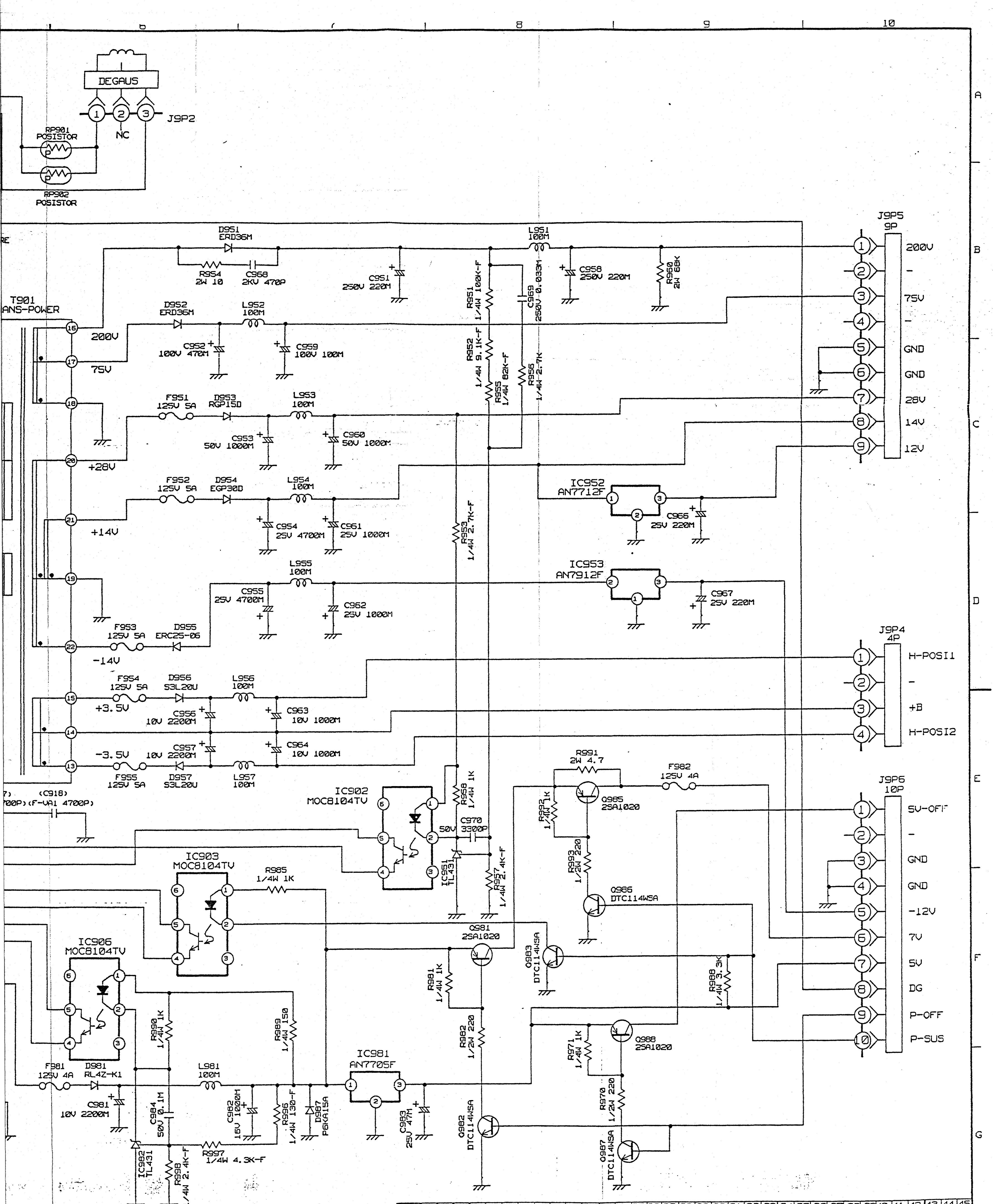

RY901
RELAY
DEGAUS
J9P2
NC
RP901
POSISTOR
RP902
POSISTOR
+12V
D906
1S2076A/1S2471
Q903
DTC114WSA
R916
SO-COPPER-WIRE
C919
AC125/250V 0.47M
C903
F-VA1 4700P
C904
F-VA1 4700P
L902
LINE 3A 8.2M
3300P
N
L
IC904
MJ2400
NC
R919
1/2W 56K
D912
MGP06M
R947
3W 56
C947
2KV 470P
R924
3W 33K
R923
3W 33K
C924
630V 0.047M
D907
UF5408
D914
1N20U
D903
D1NL20U
R945
1/4W 2.2K-F
R911
1/4W 4.7
R912
1/4W 1.5K
C930
50V 100M
R910
1/4W 22K
C916 50V 330M
C944
50V 0.1M
D904
D1NL20U
Q902
2SC2274
R914
1/4W 10K
T901
TRANS-POWER
200V
75V
+28V
+14V
-14V
+3.5V
-3.5V
(C917)
(F-VA1 4700P)
(C918)
(F-VA1 4700P)
D951
ERD36M
R954
2W 10
C968
2KV 470P
C951
250V 220M
L951
100M
C958
250V 220M
R960
2W 68K
R951
1/4W 100K-F
C969
250V 0.033M
R952
1/4W 9.1K-F
R955
1/4W 82K-F
R956
1/4W 2.7K
D952
ERD36M
L952
100M
C952
100V 470M
C959
100V 100M
F951
125V 5A
D953
RGP15D
L953
100M
C953
50V 1000M
C960
50V 1000M
F952
125V 5A
D954
EGP30D
L954
100M
C954
25V 4700M
C961
25V 1000M
IC952
AN7712F
C966
25V 220M
IC953
AN7912F
R953
1/4W 2.7K-F
L955
100M
C955
25V 4700M
C962
25V 1000M
F953
125V 5A
D955
ERC25-06
F954
125V 5A
D956
S3L20U
L956
100M
C956
10V 2200M
C963
10V 1000M
C957
10V 2200M
C964
10V 1000M
F955
125V 5A
D957
S3L20U
L957
100M
IC902
MOC8104TV
R958
1/4W 1K
C970
50V 3300P
IC951
TL431
R957
1/4W 2.4K-F
R991
2W 4.7
F982
125V 4A
R992
1/4W 1K
Q985
2SA1020
R993
1/2W 220
Q986
DTC114WSA
IC903
MOC8104TV
R985
1/4W 1K
Q981
2SA1020
Q983
DTC114WSA
R981
1/4W 1K
R982
1/2W 220
Q982
DTC114WSA
R971
1/4W 1K
Q988
2SA1020
R970
1/2W 220
Q987
DTC114WSA
IC906
MOC8104TV
T931
TRANS-POWER
7V
R990
1/4W 1K
R989
1/4W 150
F981
125V 4A
D981
RL4Z-K1
C981
10V 2200M
L981
100M
C984
50V 0.1M
C982
16V 1000M
R996
1/4W 130-F
D987
P6KA15A
IC981
AN7705F
C983
25V 47M
IC982
TL431
R998
1/4W 2.4K-F
R997
1/4W 4.3K-F
33
00P
50V 0.01M
4
5
6
7
8

CODE	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

控
出図用
外注用
計画 1

MITSUBISHI ELECTRIC CORPORATION
NAGASAKI WORKS

DIM. IN mm	DATE		APPROVED	TITL
SCALE	DRAWN			
:	CHECKED			
NTS	DESIGNED			


DEGAUS
J9P2
NC
RP901 POSISTOR
RP902 POSISTOR
T901
ANS-POWER
200V
75V
+28V
+14V
-14V
+3.5V
-3.5V
D951 ERD36M
R954 2W 10
C968 2KV 470P
C951 250V 220M
L951 100M
R951 1/4W 100K-F
C969 250V 0.033M
C958 250V 220M
R960 2W 68K
D952 ERD36M
C952 100V 470M
L952 100M
C959 100V 100M
R952 1/4W 9.1K-F
R955 1/4W 82K-F
R956 1/4W 2.7K
F951 125V 5A
D953 RGP15D
L953 100M
C953 50V 1000M
C960 50V 1000M
F952 125V 5A
D954 EGP30D
L954 100M
C954 25V 4700M
C961 25V 1000M
R953 1/4W 2.7K-F
IC952 AN7712F
C966 25V 220M
IC953 AN7912F
C967 25V 220M
L955 100M
C955 25V 4700M
C962 25V 1000M
F953 125V 5A
D955 ERC25-06
F954 125V 5A
D956 S3L20U
L956 100M
C956 10V 2200M
C963 10V 1000M
C957 10V 2200M
C964 10V 1000M
F955 125V 5A
D957 S3L20U
L957 100M
(C918)
700P) (F-VA1 4700P)
J9P5 9P
200V
-
75V
-
GND
GND
28V
14V
12V
J9P4 4P
H-POSI1
-
+B
H-POSI2
J9P6 10P
5V-OFF
-
GND
GND
-12V
7V
5V
DG
P-OFF
P-SUS
IC902 MOC8104TV
R958 1/4W 1K
C970 50V 3300P
IC951 TL431
R957 1/4W 2.4K-F
R991 2W 4.7
F982 125V 4A
Q985 2SA1020
R992 1/4W 1K
R993 1/2W 220
Q986 DTC114WSA
IC903 MOC8104TV
R985 1/4W 1K
Q981 2SA1020
Q983 DTC114WSA
R981 1/4W 1K
R988 1/4W 3.3K
IC906 MOC8104TV
R990 1/4W 1K
R989 1/4W 150
R982 1/2W 220
Q988 2SA1020
R971 1/4W 1K
F981 125V 4A
D981 RL4Z-K1
C981 10V 2200M
L981 100M
C984 50V 0.1M
C982 16V 1000M
R996 1/4W 130-F
D987 P6KA15A
IC981 AN7705F
C983 25V 47M
Q982 DTC114WSA
R970 1/2W 220
Q987 DTC114WSA
IC982 TL431
R998 1/4W 2.4K-F
R997 1/4W 4.3K-F
A
B
C
D
E
F
G
H
6
7
8
9
10

CODE	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

控
出図用
外注用
計画 1

DIM. IN mm

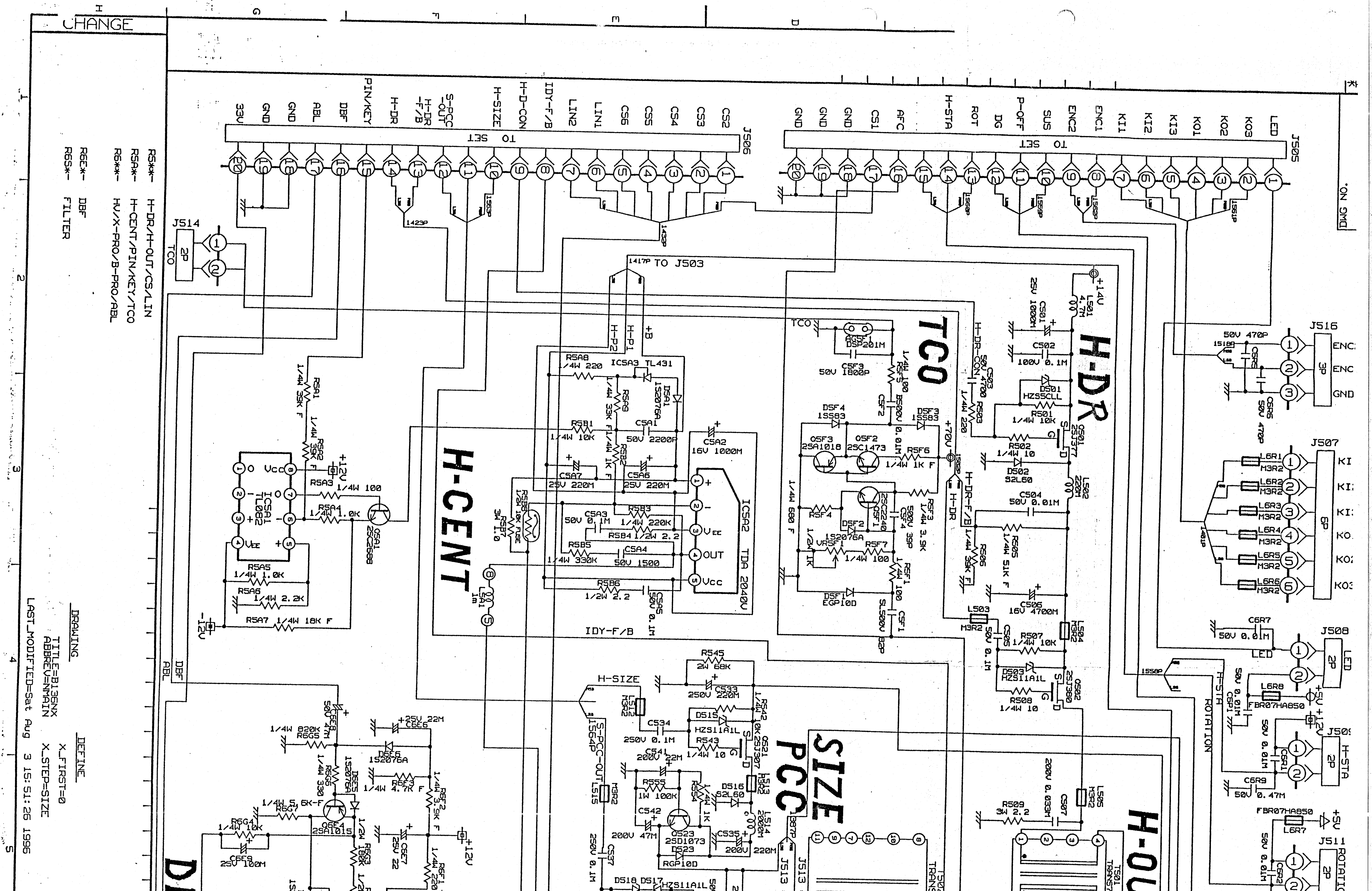
SCALE
:
NTS

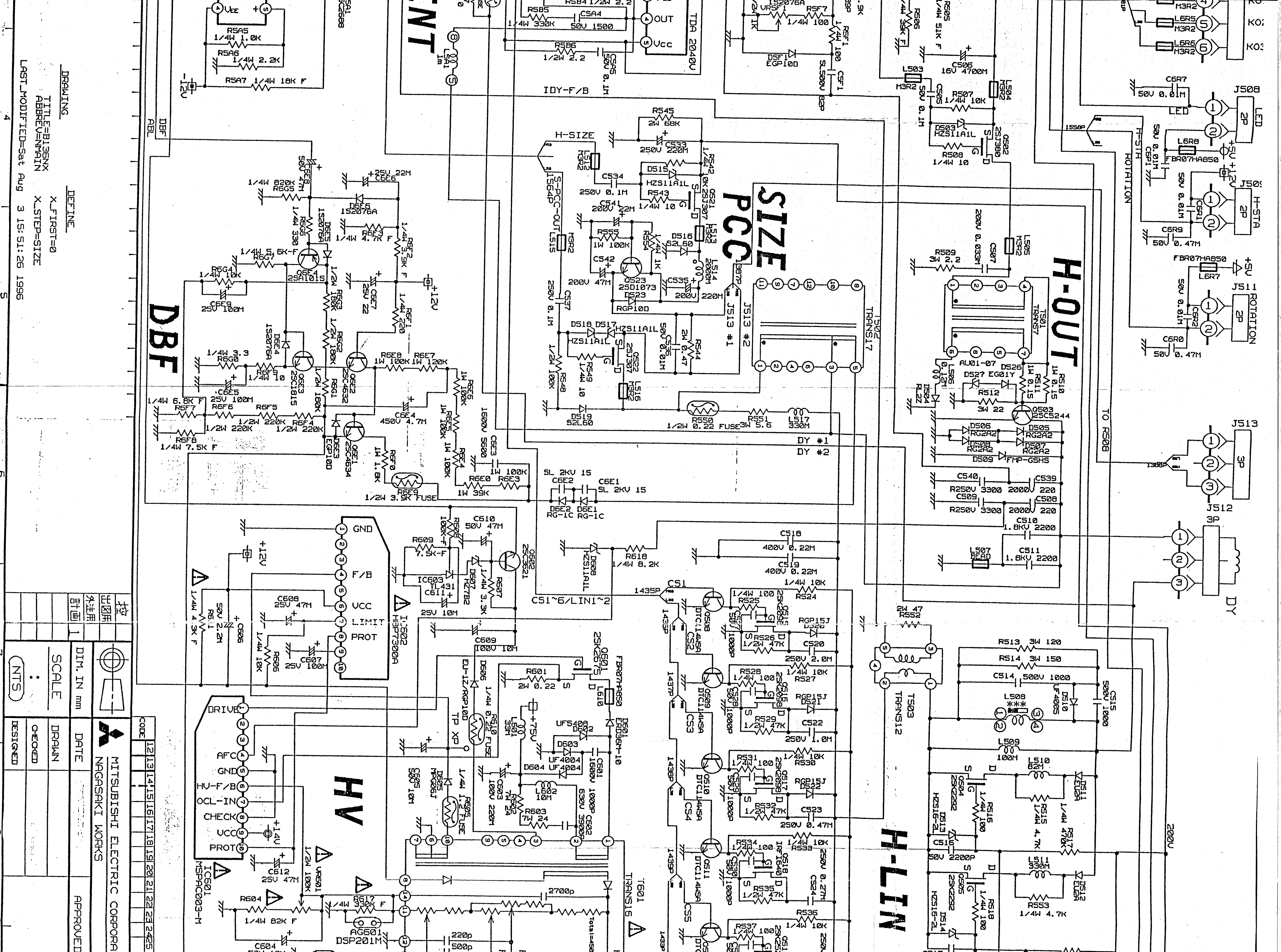
MITSUBISHI ELECTRIC CORPORATION
NAGASAKI WORKS

DATE		APPROVED
DRAWN		
CHECKED		
DESIGNED		

TITLE SCHEMATIC DIAGRAM
W-POWER

1/1


CHANGE
R5**- H-DR/H-OUT/CS/LIN
R5A*- H-CENT/PIN/KEY/TCO
R6*- HV/X-PRO/B-PRO/ABL
R6E*- DBF
R6S*- FILTER
DRAWING
TITLE=B136NX
ABBREV=MAIN
LAST_MODIFIED=Sat Aug 3 15:51:26 1996
DEFINE
X_FIRST=0
X_STEP=SIZE
J505
TO SET
LED
KO3
KO2
KO1
KI3
KI2
KI1
ENC1
ENC2
SUS
P-OFF
DG
ROT
H-STA
AFC
CS1
GND
J506
CS2
CS3
CS4
CS5
CS6
LIN1
LIN2
IDY-F/B
H-D-CON
H-SIZE
S-PCC-OUT
H-DR-F/B
H-DR
PIN/KEY
DBF
ABL
33V
J514
TCO
2P
TO J503
H-DR
TCO
H-CENT
SIZE
PCC
H-OU
J516
ENC
GND
3P
J507
6P
J508
LED
J509
H-STA
J511
ROTATION
IC5A1 TL082
IC5A2 TDA 2040V
IC5A3 TL431
Q5A1 2SC2688
Q501 2SJ177
Q502 2SJ380
Q521 2SJ307
Q523 2SD1073
Q5F1 2SC2240
Q5F2 2SC1473
Q5F3 2SA1018
Q6F4 2SA1015
L501 4.7M
L502 220M
L514 2200M
T501 TRANS
IDY-F/B
+14V
+70V
+12V
-12V
+5V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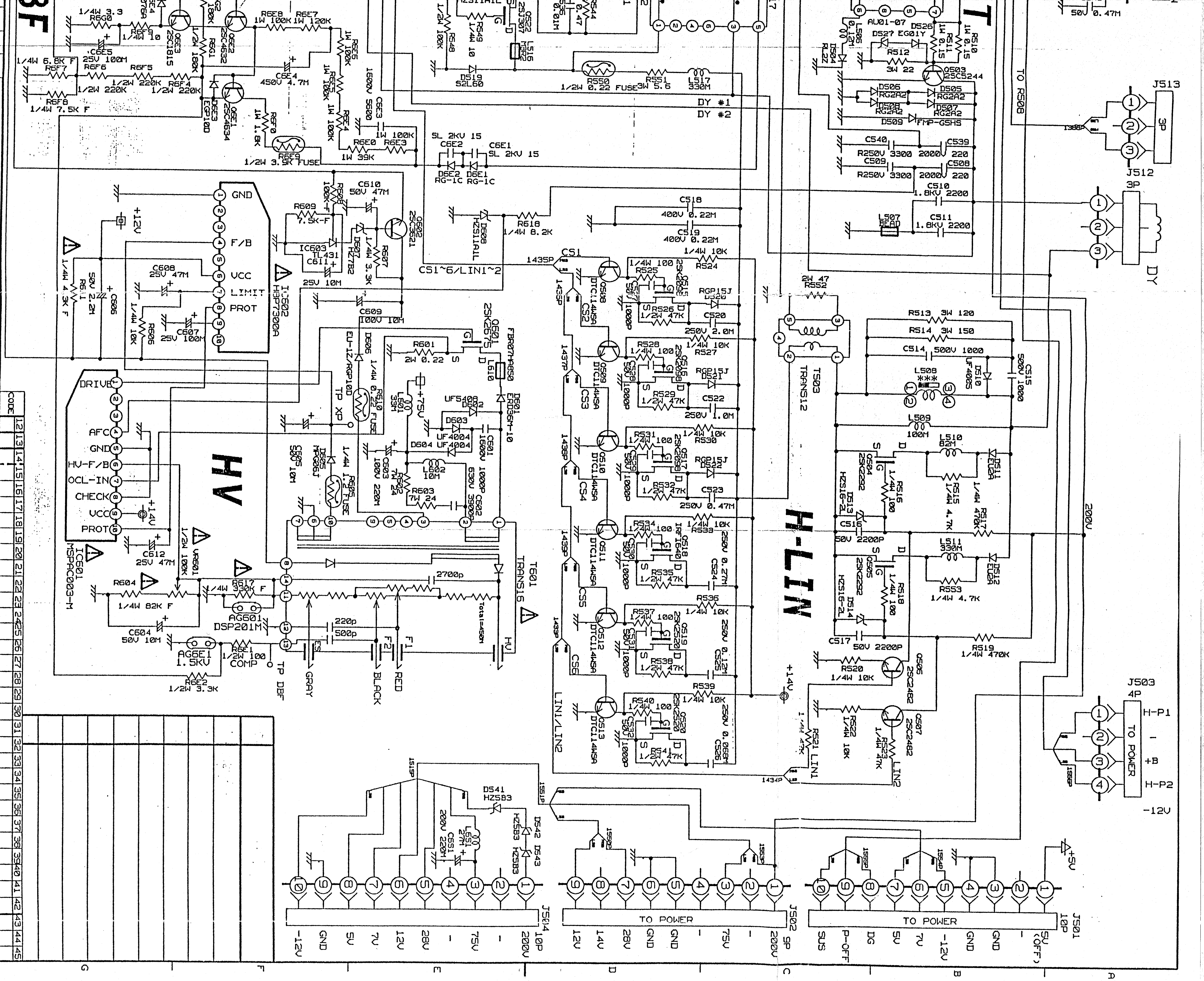
ABBREV=NMAIN
LAST_MODIFIED=Sat Aug 3 15:51:26 1996
DEFINE
X_FIRST=0
X_STEP=SIZE
MITSUBISHI ELECTRIC CORPORA
NAGASAKI WORKS
DIM. IN mm
SCALE
:
NTS
DATE
DRAWN
CHECKED
DESIGNED
APPROVED
CODE
DBF
SIZE
PCC
H-OUT
HV
H-LIN
TDA 2040V
OUT
Vcc
IDY-F/B
H-SIZE
S-PCC-OUT
ROTATION
H-STA
LED
J508
J509
J511
J512
J513
DY
DY #1
DY #2
TO R508
T501 TRANS17
T502 TRANS17
T503 TRANS12
T601 TRANS16
IC602 M52?300A
GND
F/B
VCC
LIMIT
PROT
IC601 MSPAC003-M
DRIVE
AFC
HV-F/B
OCL-IN
CHECK
IC603 TL431
CS1~6/LIN1~2
Q503 2SC5244
Q523 2SD1073
Q601 2SK2675
Q602 2SC3621
Q6E1 2SC4634
Q6E2 2SC4632
Q6E3 2SC1815
Q6E4 2SA1015
AG601 DSP201M
+12V
-12V
+5V
+14V
+75V


HV
H-LIN
IC601 MSPAC003-M
DRIVE
AFC
GND
HV-F/B
OCL-IN
CHECK
VCC
PROT
IC602 HBP7300A
GND
F/B
VCC
LIMIT
PROT
+12V
+14V
+75V
T601 TRANS16
T503 TRANS12
DY
DY #1
DY #2
J513 3P
J512 3P
J503 4P TO POWER
H-P1
+B
H-P2
-12V
J504 10P
-12V
GND
5V
7V
12V
28V
75V
200V
J502 9P TO POWER
12V
14V
28V
GND
75V
200V
J501 10P TO POWER
SUS
P-OFF
DG
5V
7V
-12V
GND
5V (OFF)
+5V
TO R508
CS1~6/LIN1~2
LIN1/LIN2
LIN1
LIN2
GRAY
BLACK
RED
TP DBF
TP XP
COMP
F1
F2
ES
200V

5-4

TITLE SCHEMATIC DIAGRAM

W-MAIN (DEFL)

MITSUBISHI ELECTRIC CORPORATION

NAGASAKI WORKS

SCALE

NTS

DIM. IN mm

DATE

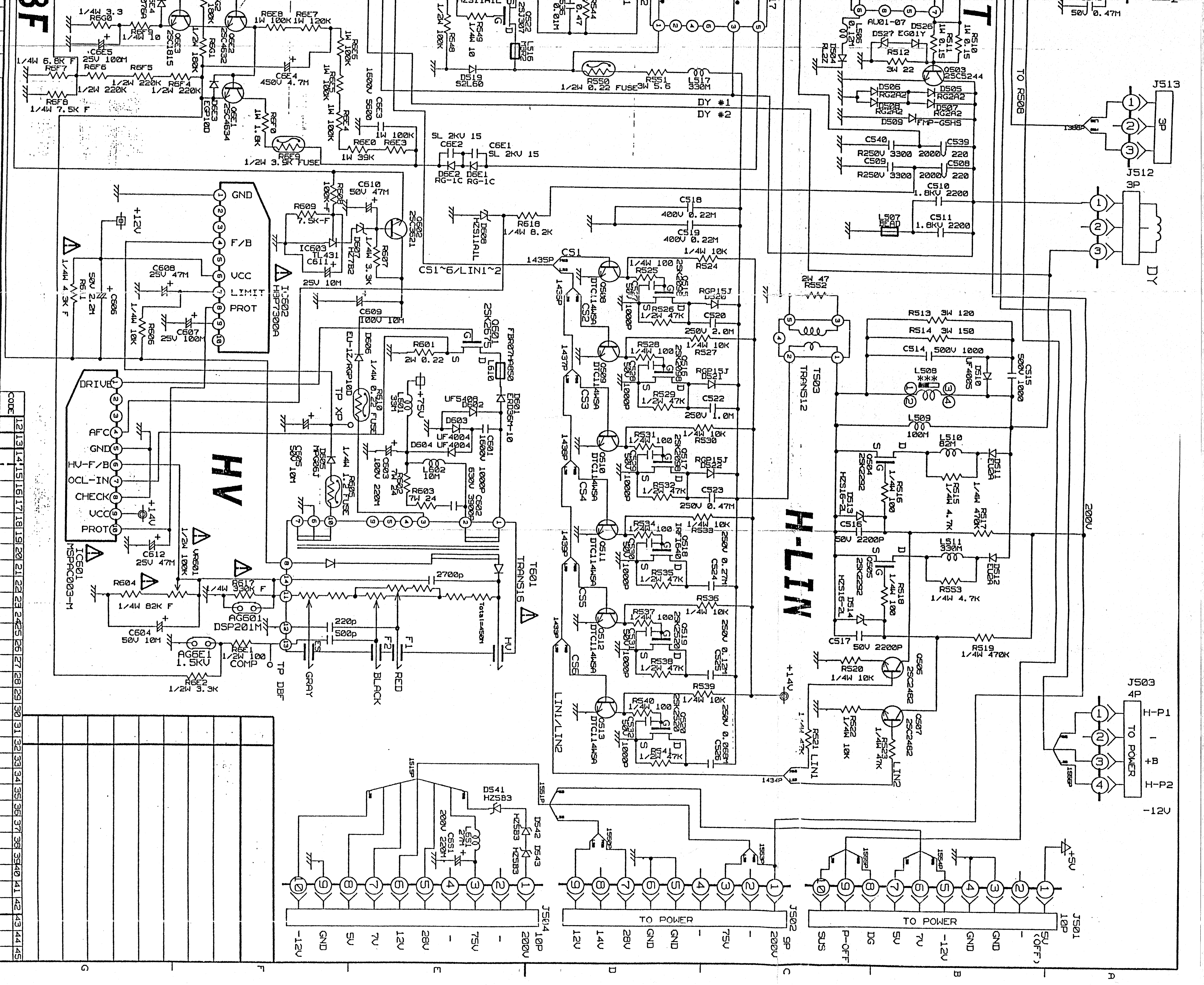
DRAWN

CHECKED

DESIGNED

APPROVED

1/1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H-LIN
IC602 HBP7300A
GND
F/B
VCC
LIMIT
PROT
IC601 MSPAC003-M
DRIVE
AFC
GND
HV-F/B
OCL-IN
CHECK
VCC
PROT
+12V
+14V
+5V
T601 TRANS16
T503 TRANS12
CS1~6/LIN1~2
DY #1
DY #2
TO R508
J513 3P
J512 3P
DY
J503 4P
H-P1
+B
H-P2
-12V
TO POWER
J504 10P
-12V
GND
5V
7V
12V
28V
75V
200V
J502 9P
12V
14V
28V
GND
75V
200V
J501 10P
SUS
P-OFF
DG
5V
7V
-12V
GND
5V (OFF)
GRAY
BLACK
RED
TP DBF
TP XP
F1
F2
HV
ES
AG601 DSP201M
AG6E1 1.5KV
COMP
200V
LIN1
LIN2
1/2W 0.22 FUSE
1/2W 3.9K FUSE

MITSUBISHI ELECTRIC CORPORATION
NAGASAKI WORKS

DIM. IN mm

SCALE :

NTS

DATE

DRAWN

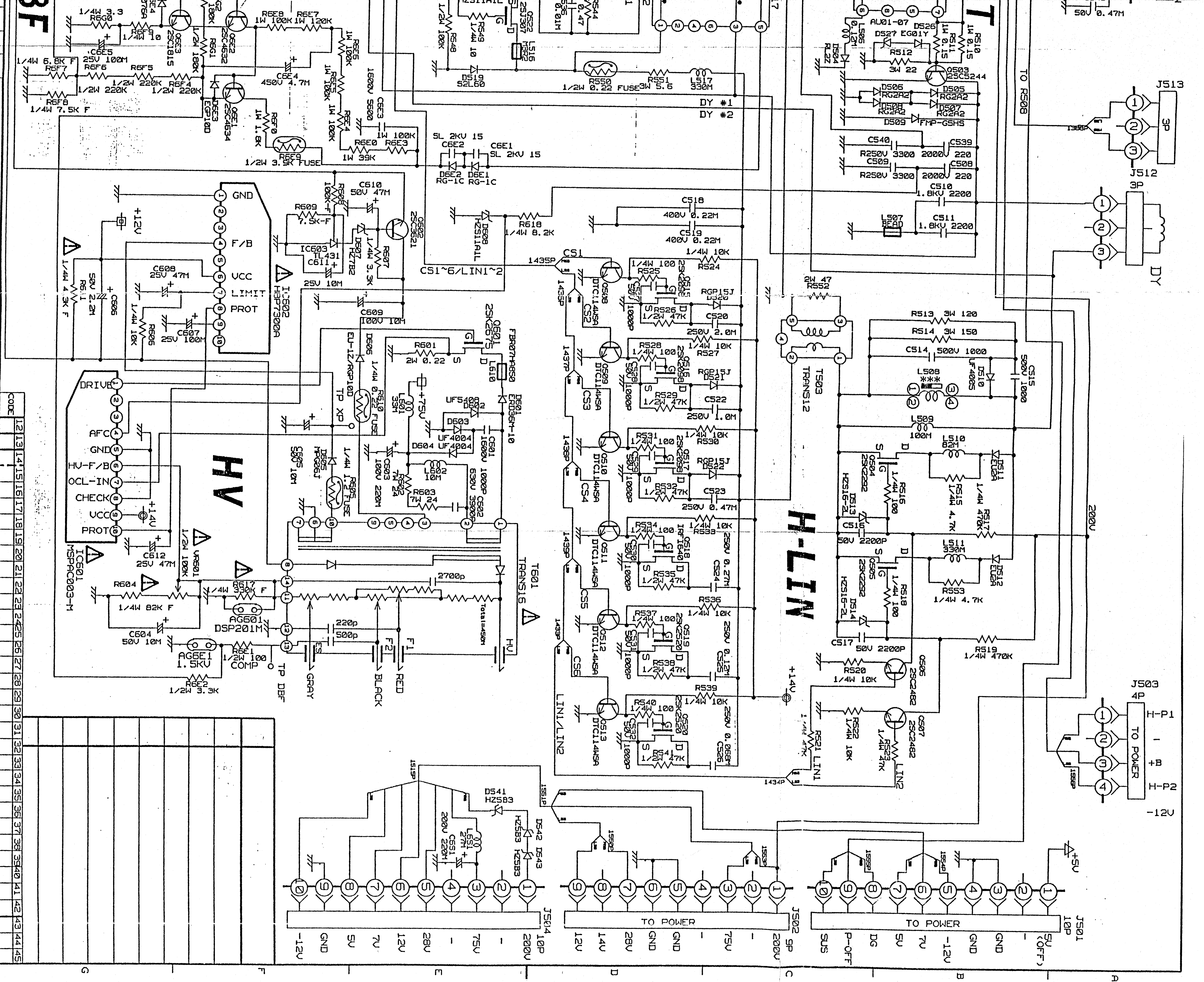
CHECKED

DESIGNED

APPROVED

TITLE
SCHEMATIC DIAGRAM
W-MAIN (DEFL)

1/1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H-LIN
IC601 MSPAC003-M
IC602 HBP7300A
T601 TRANS16
T503 TRANS12
DRIVE
AFC
GND
HV-F/B
OCL-IN
CHECK
VCC
PROT
F/B
LIMIT
+12V
+14V
+5V
200V
GRAY
BLACK
RED
TP DBF
TP XP
DY #1
DY #2
DY
TO R508
J513 3P
J512 3P
J503 4P TO POWER
H-P1
+B
H-P2
-12V
J504 10P
-12V
GND
5V
7V
12V
28V
75V
200V
J502 9P TO POWER
12V
14V
28V
GND
75V
200V
J501 10P TO POWER
SUS
P-OFF
DG
5V
7V
-12V
GND
5V (OFF)
CS1~6/LIN1~2
LIN1/LIN2
A
B
C
D
E
F
G
H
6
7
8
9
10

控
出図用
外注用
計画

DIM. IN mm

SCALE
:
NTS

MITSUBISHI ELECTRIC CORPORATION
NAGASAKI WORKS

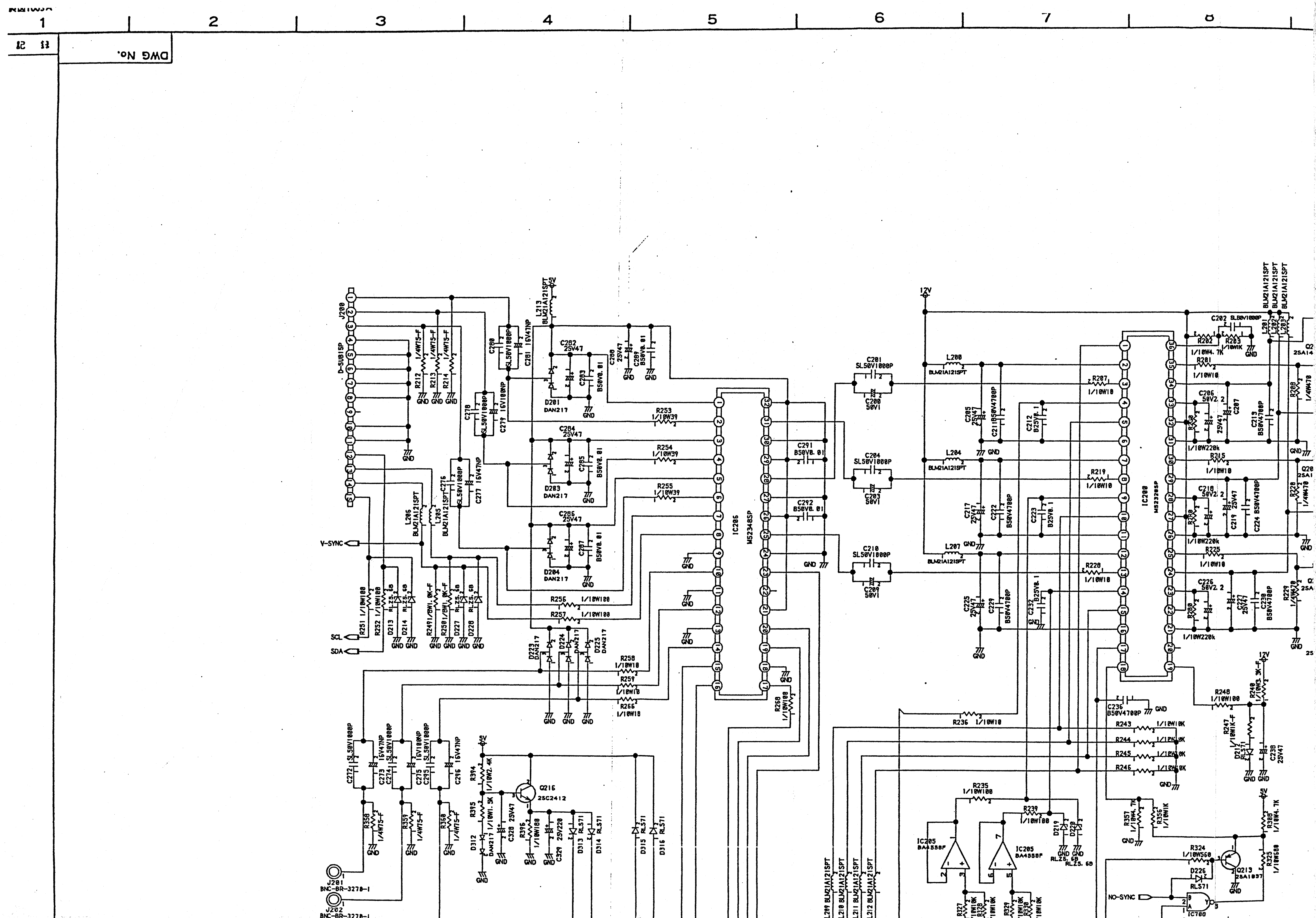
DATE	DRAWN	CHECKED	DESIGNED

APPROVED

CODE

TITLE SCHEMATIC DIAGRAM
W-MAIN (DEFL)

1/1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4
5
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8
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R213 1/4W75-F
R214 1/4W75-F
GND
C280 SL50V1000P
C281 16V47NP
C278 SL50V1000P
C279 16V100NP
C276 SL50V1000P
C277 16V47NP
L213 BLM21A121SPT
5V
C282 25V47
C283 B50V0.01
C288 25V47
C289 B50V0.01
D201 DAN217
C284 25V47
C285 B50V0.01
D203 DAN217
C286 25V47
C287 B50V0.01
D204 DAN217
R253 1/10W39
R254 1/10W39
R255 1/10W39
IC206 M52348SP
C291 B50V0.01
C292 B50V0.01
L206 BLM21A121SPT
L205 BLM21A121SPT
V-SYNC
SCL
SDA
R251 1/10W100
R252 1/10W100
D213 RLZ5.6B
D214 RLZ5.6B
R249 1/8W1.0K-F
R250 1/8W1.0K-F
D227 RLZ5.6B
D228 RLZ5.6B
R256 1/10W100
R257 1/10W100
D223 DAN217
D224 DAN217
D225 DAN217
R258 1/10W10
R259 1/10W10
R266 1/10W10
R260 1/10W100
C201 SL50V1000P
C200 50V1
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L200 BLM21A121SPT
L204 BLM21A121SPT
L207 BLM21A121SPT
12V
C205 25V47
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C212 B25V0.1
C217 25V47
C222 B50V4700P
C223 B25V0.1
C225 25V47
C229 B50V4700P
C232 B25V0.1
R207 1/10W10
R219 1/10W10
R228 1/10W10
IC200 M52320SP
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R202 1/10W4.7K
R203 1/10W1K
R201 1/10W10
C206 50V2.2
C207 25V47
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R230 1/10W220k
R215 1/10W10
C218 50V2.2
C219 25V47
C224 B50V4700P
R220 1/10W220k
R225 1/10W10
C226 50V2.2
C227 25V47
C230 B50V4700P
R280 1/10W220k
L201 L202 L203 BLM21A121SPT
R208 1/4W470
R220 1/4W470
R229 1/4W470
2SA14
Q20 2SA1
C236 B50V4700P
R248 1/10W100
R240 1/10W3.3K-F
R247 1/10W1K-F
D212 RLS71
C238 25V47
R236 1/10W10
R243 1/10W10K
R244 1/10W10K
R245 1/10W10K
R246 1/10W10K
R235 1/10W100
R239 1/10W100
IC205 BA4558F
D219 RLZ5.6B
D220 RLZ5.6B
R357 1/10W4.7K
R356 1/10W1K
R324 1/10W560
R306 1/10W4.7K
R325 1/10W680
Q213 2SA1037
D226 RLS71
NO-SYNC
IC700
C272 SL50V1000P
C273 16V47NP
C274 SL50V1000P
C275 16V100NP
C295 SL50V1000P
C296 16V47NP
R358 1/4W75-F
R359 1/4W75-F
R360 1/4W75-F
R394 1/10W2.4K
R395 1/10W1.5K
Q216 2SC2412
C328 25V47
R396 1/10W100
C329 25V220
D312 DAN217
D313 RLS71
D314 RLS71
D315 RLS71
D316 RLS71
J201 BNC-BR-3270-1
J202 BNC-BR-3270-1
L209 BLM21A121SPT
L210 BLM21A121SPT
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L212 BLM21A121SPT
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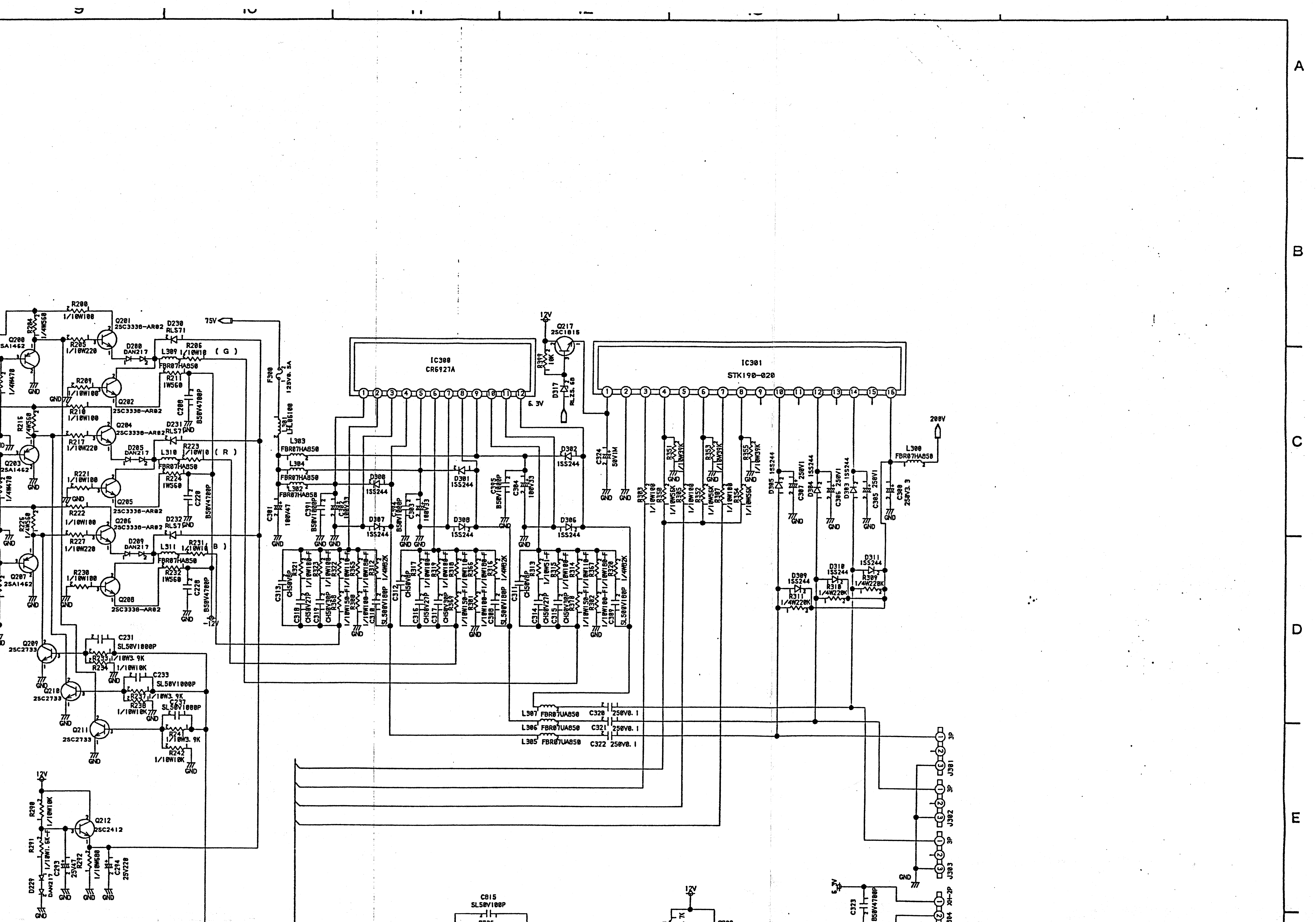
R328 1/10W10K
R329 1/10W10K
R330 1/10W10K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B
C
D
E
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R204
1/4W560
Q200
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1/4W470
Q201
2SC3338-AR02
R205
1/10W220
D230
RLS71
D200
DAN217
L309
FBR07HA850
R206
1/10W10
(G)
R209
1/10W100
GND
R211
1W560
C200
B50V4700P
Q202
2SC3338-AR02
R210
1/10W100
R216
1/4W560
Q204
2SC3338-AR02
D231
RLS7
R217
1/10W220
Q203
2SA1462
D205
DAN217
L310
R223
1/10W10
(R)
FBR07HA850
R221
1/10W100
R224
1W560
C220
B50V4700P
Q205
2SC3338-AR02
R222
1/10W100
R226
1/4W560
Q206
2SC3338-AR02
D232
RLS7
R227
1/10W220
D209
DAN217
L311
R231
1/10W10
B)
FBR07HA850
Q207
2SA1462
R230
1/10W100
R232
1W560
C228
B50V4700P
Q208
2SC3338-AR02
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75V
F300
125V0.5A
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LHL06100
L303
FBR07HA850
L304
FBR07HA850
L302
FBR07HA850
C301
100V47
C391
B50V1000P
C302
100V33
D300
1SS244
D307
1SS244
C394
B50V1000P
C303
100V33
D301
1SS244
D308
1SS244
C395
B50V1000P
C304
100V33
D302
1SS244
D306
1SS244
IC300
CR6927A
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6
7
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9
10
11
12
6.3V
12V
Q217
2SC1815
R399
10K
D317
RLZ5.6B
C313
CH50V8P
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1/10W100-F
R323
1/10W100-F
R322
1/10W110-F
R365
1/10W100-F
R312
1/4W82K
C318
CH50V27P
C319
CH50V30P
R368
1/10W150-F
R300
1/10W100-F
C310
SL500V100P
C312
CH50V8P
R317
1/10W100-F
R319
1/10W100-F
R318
1/10W110-F
R366
1/10W100-F
R316
1/4W82K
C316
CH50V27P
C317
CH50V30P
R369
1/10W150-F
R301
1/10W100-F
C308
SL500V100P
C311
CH50V8P
R313
1/10W51-F
R315
1/10W100-F
R314
1/10W110-F
R367
1/10W100-F
R320
1/4W82K
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CH50V27P
C315
CH50V30P
R370
1/10W150-F
R302
1/10W100-F
C309
SL500V100P
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STK190-020
13
14
15
16
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1/10W39K
R305
1/10W100
R352
1/10W56K
R353
1/10W39K
R307
1/10W100
R354
1/10W56K
R355
1/10W39K
D305
1SS244
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D304
1SS244
C306
250V1
D303
1SS244
C305
250V1
C300
250V3.3
L300
FBR07HA850
200V
D309
1SS244
R311
1/4W220K
D310
1SS244
R310
1/4W220K
D311
1SS244
R309
1/4W220K
Q209
2SC2733
C231
SL50V1000P
R233
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C237
SL50V1000P
Q211
2SC2733
R241
1/10W3.9K
R242
1/10W10K
12V
R290
1/10W10K
Q212
2SC2412
R291
1/10W1.6K-F
C293
25V47
R292
1/10W680
C294
25V220
D229
DAN217
L307
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FBR07UA850
L305
FBR07UA850
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C321
250V0.1
C322
250V0.1
3P
J301
3P
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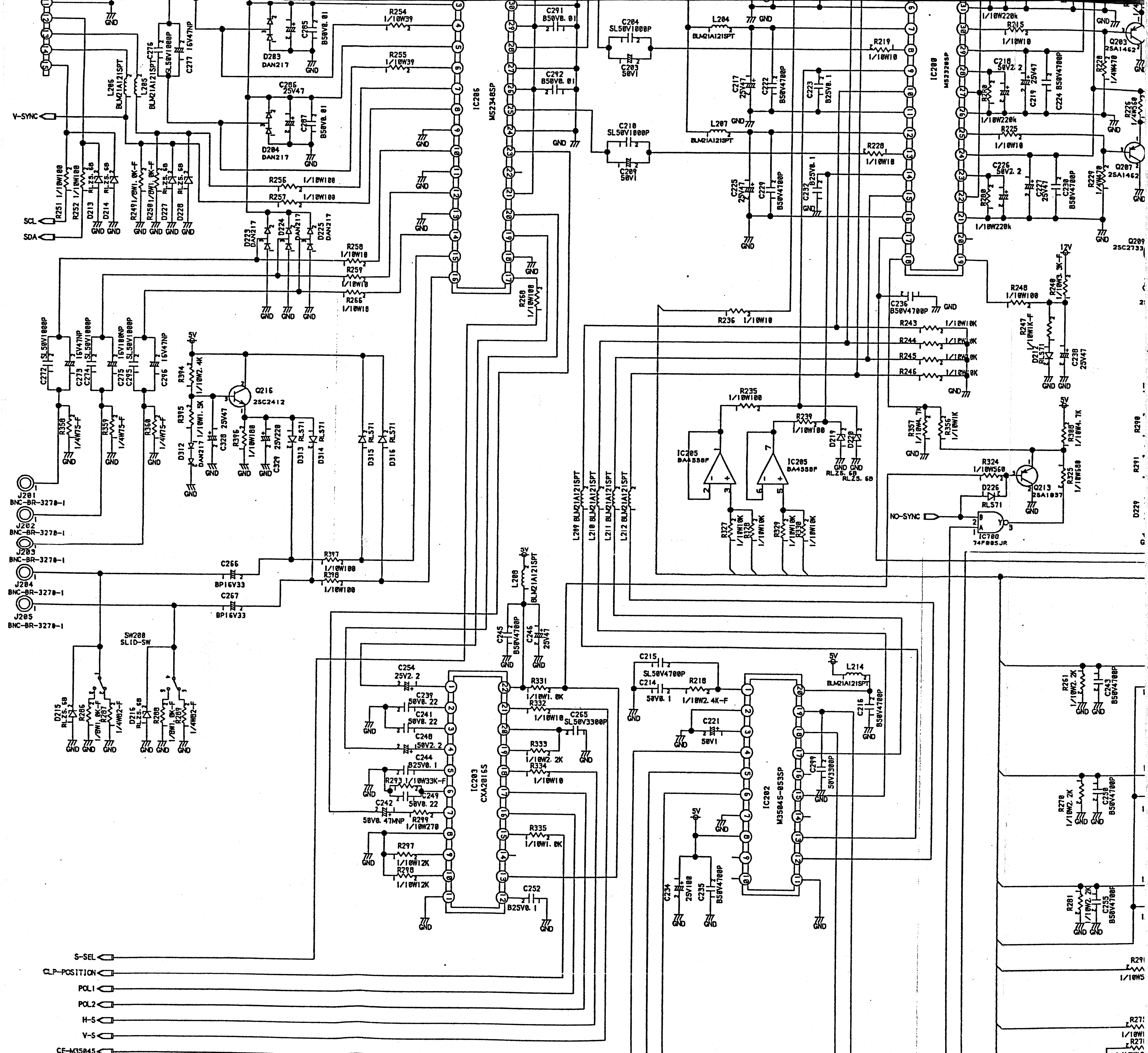
XH-2P
GND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S-SEL
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POL2
H-S
V-S
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M52326SP
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74F00SJR
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Q207
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Q209
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BNC-BR-3270-1
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BLM21A121SPT
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BLM21A121SPT
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BLM21A121SPT
L208
BLM21A121SPT
L209 BLM21A121SPT
L210 BLM21A121SPT
L211 BLM21A121SPT
L212 BLM21A121SPT
L214
BLM21A121SPT
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C286 25V47
C287 B50V0.01
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D284 DAN217
D223 DAN217
D224 DAN217
D225 DAN217
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R255 1/10W39
R256 1/10W100
R257 1/10W100
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R259 1/10W10
R266 1/10W10
R260 1/10W100
R251 1/10W100
R252 1/10W100
D213
D214
RLZ5.6B
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R250 1/8W1.0K-F
D227
D228
C291 B50V0.01
C292 B50V0.01
C204 SL50V1000P
C203 50V1
C210 SL50V1000P
C209 50V1
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R220 1/10W10
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R225 1/10W10
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R228 1/4W470
R226 1/4W560
1/10W220k
R230
R280
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R236 1/10W10
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R239 1/10W100
D219
D220
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RLZ5.6B
R327 1/10W10K
R328 1/10W10K
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R330 1/10W10K
R357 1/10W4.7K
R352 1/10W1K
R308 1/10W4.7K
R324 1/10W560
D226 RLS71
R325 1/10W680
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C274 SL50V1000P
C275 16V100NP
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C296 16V47NP
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R359 1/4W75-F
R360 1/4W75-F
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R395 1/10W1.5K
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C329 25V220
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D313 RLS71
D314 RLS71
D315 RLS71
D316 RLS71
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R398 1/10W100
C266 BP16V33
C267 BP16V33
D215 RLZ5.6B
R286 1/8W1.0K-F
R287 1/4W82-F
D216 RLZ5.6B
R288 1/8W1.0K-F
R289 1/4W82-F
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C254 25V2.2
C239 50V0.22
C241 50V0.22
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R298 1/10W12K
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R332 1/10W10
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R334 1/10W10
R335 1/10W1.0K
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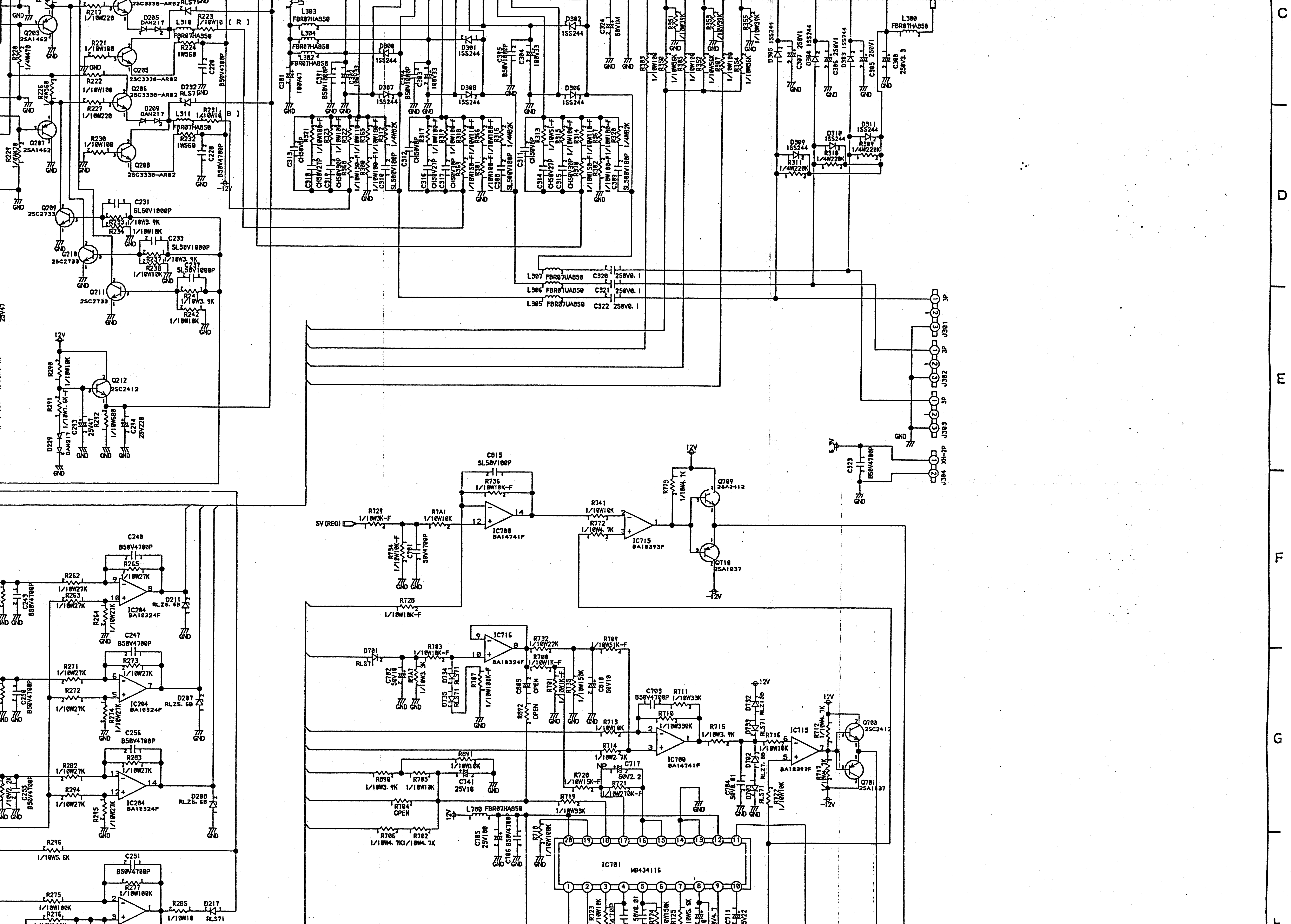
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F
G
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R217
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RLS71
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1/10W10
(R)
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FBR07HA850
R224
1W560
C220
B50V4700P
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1/10W100
Q205
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R222
1/10W100
Q206
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R226
1/4W560
R227
1/10W220
D209
DAN217
D232
RLS71
L311
FBR07HA850
R231
1/10W10
(B)
R232
1W560
C228
B50V4700P
-12V
Q207
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R229
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R230
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R242
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12V
R290
1/10W10K
Q212
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1/10W1.5K-F
C293
25V47
R272
1/10W680
C294
25V220
D229
DAN217
GND
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1SS244
C303
100V33
D301
1SS244
D308
1SS244
D302
1SS244
C324
50V1M
C305
B50V1000P
C304
100V33
D306
1SS244
C313
CH50V8P
R321
C318
CH50V27P
C319
CH50V30P
R363
R365
R300
R312
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C310
SL50V100P
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CH50V8P
R317
R319
R318
R366
R316
C316
CH50V27P
C317
CH50V30P
R369
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C300
SL50V100P
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R315
R314
R367
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CH50V27P
C315
CH50V30P
R378
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C309
SL50V100P
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R353
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R307
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R355
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C307
250V1
D304
1SS244
C306
250V1
D303
1SS244
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L300
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C300
250V3.3
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D310
1SS244
D311
1SS244
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C321
250V0.1
L305
FBR07UA850
C322
250V0.1
3P
J301
3P
J302
3P
J303
6.3V
C323
B50V4700P
XH-2P
J304
C815
SL50V100P
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R263
1/10W27K
C243
B50V4700P
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1/10W27K
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BA10324F
D211
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C247
B50V4700P
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R271
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B50V4700P
R274
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B50V4700P
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1/10W27K
R294
1/10W27K
C255
B50V4700P
R295
1/10W27K
IC204
BA10324F
D208
RLZ5.6B
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1/10W100K
R276
R285
1/10W10
D217
RLS71
IC716
BA10324F
D701
RLS71
R703
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C702
50V10
R7A7
1/10W3.3K
D734
RLS71
D735
RLS71
R707
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R732
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1/10W1K-F
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OPEN
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R709
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R802
OPEN
R713
1/10W10K
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R711
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R710
1/10W330K
R714
1/10W2.7K
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D733
RLS71
R716
1/10W10K
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BA10393F
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D703
RLS71
C704
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R717
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2SC2412
Q701
2SA1037
R891
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R890
1/10W3.9K
R705
1/10W10K
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R704
OPEN
R706
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1/10W4.7K
R720
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C717
NP
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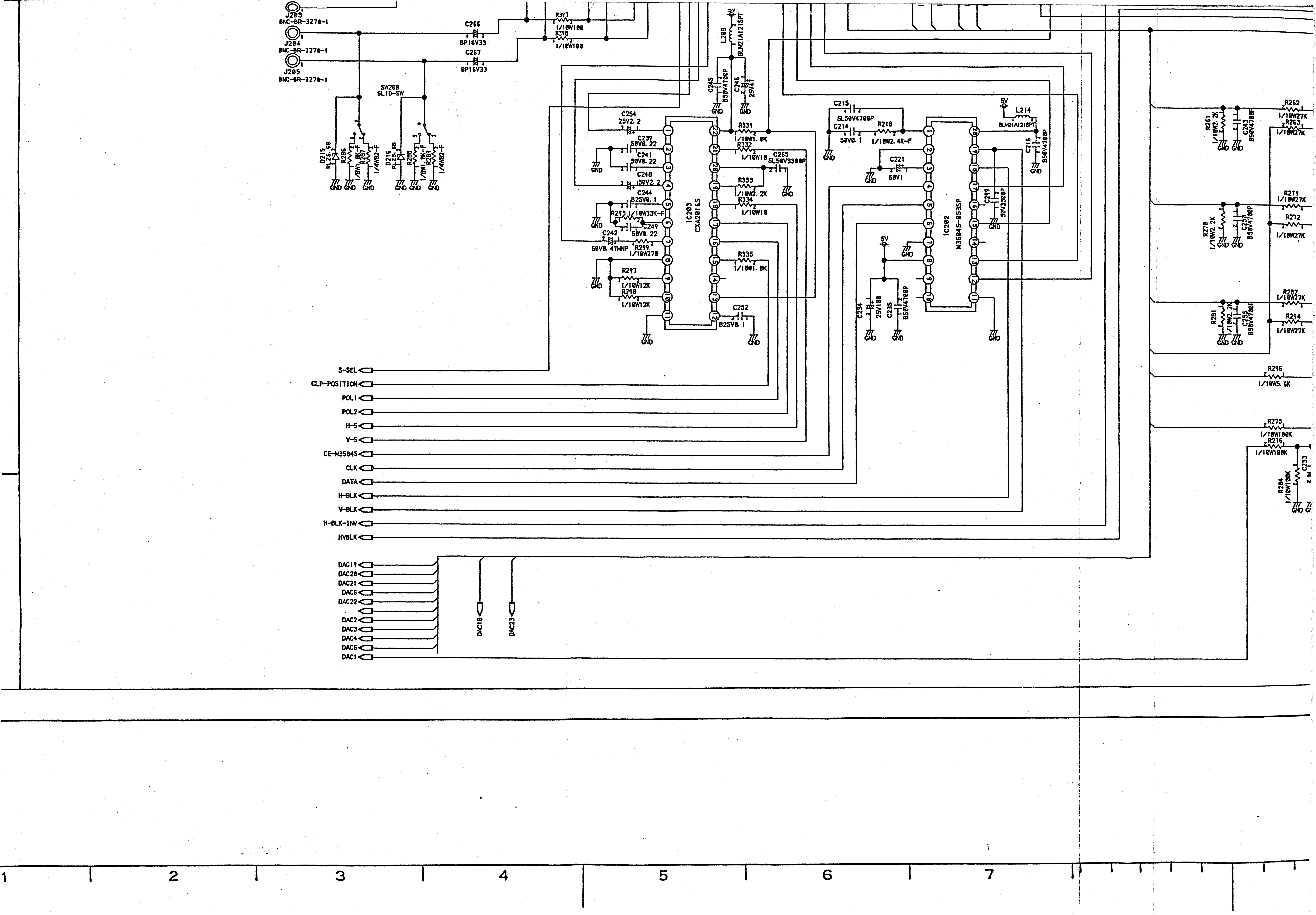
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1/10W100
SW200
SLID-SW
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R286
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R287
1/4W82-F
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RLZ5.6B
R288
1/8W1.0K-F
R289
1/4W82-F
GND
5V
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B50V4700P
C246
25V47
C254
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50V0.22
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50V2.2
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B25V0.1
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1/10W10
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R263
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R261
1/10W2.2K
C243
B50V4700P
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1/10W27K
R272
1/10W27K
R270
1/10W2.2K
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1/10W27K
R294
1/10W27K
R281
1/10W2.2K
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1/10W100K
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1/10W100K
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S-SEL
CLP-POSITION
POL1
POL2
H-S
V-S
CE-M35045
CLK
DATA
H-BLK
V-BLK
H-BLK-INV
HVBLK
DAC19
DAC20
DAC21
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DAC2
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DAC4
DAC5
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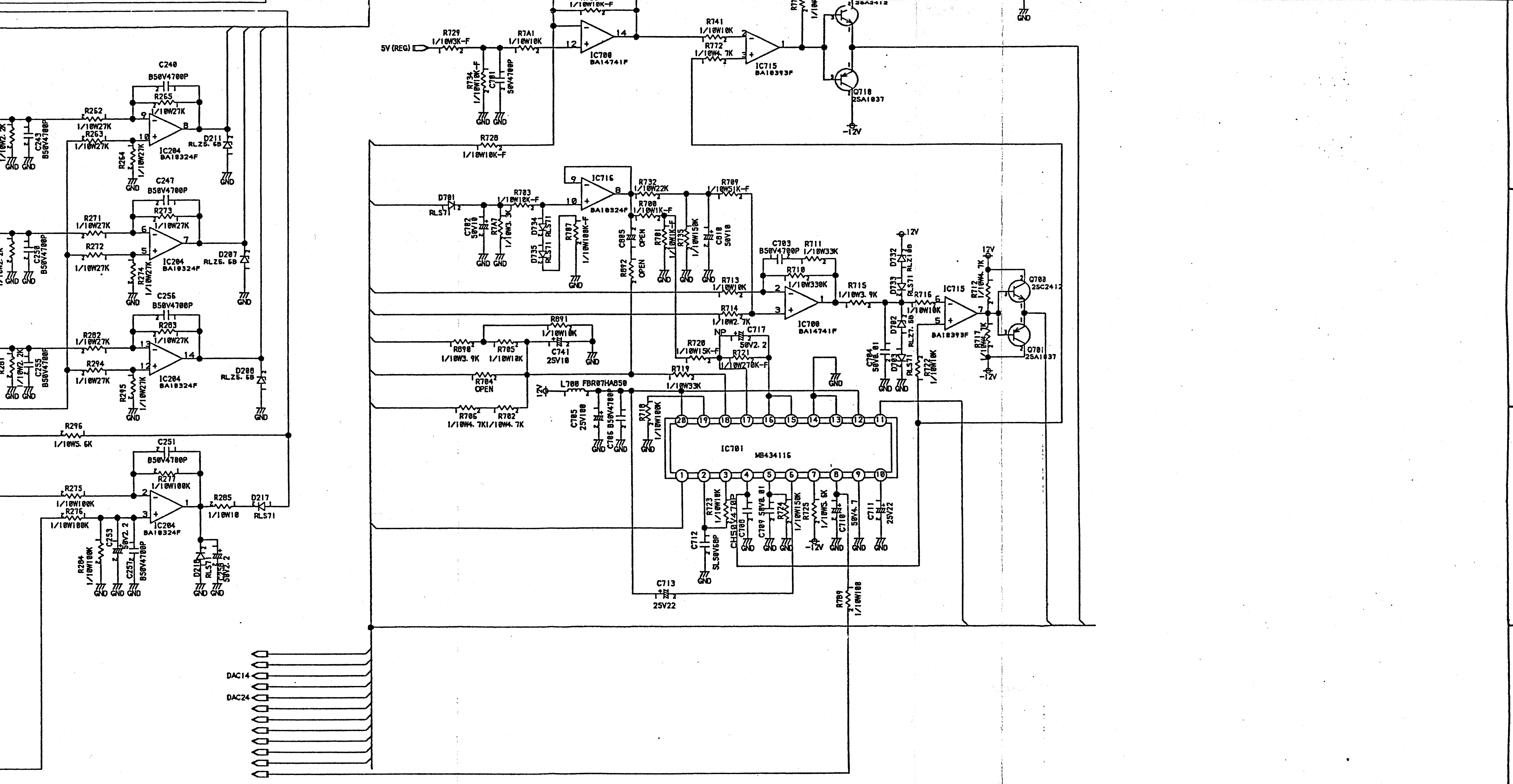
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R772 1/10W4.7K
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IC204 BA10324F
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C247 B50V4700P
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R272 1/10W27K
R274 1/10W27K
D207 RLZ5.6B
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R283 1/10W27K
R282 1/10W27K
R294 1/10W27K
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D206 RLZ5.6B
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C251 B50V4700P
R277 1/10W100K
R275 1/10W100K
R276 1/10W100K
R285 1/10W10
D217 RLS71
R284 1/10W10K
C253 50V2.2
C257 B50V4700P
D215 RLS71
C258 50V2.2
D701 RLS71
C702 50V10
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R703 1/10W10K-F
D734 RLS71
D735 RLS71
R707 1/10W100K-F
IC716 BA10324F
R732 1/10W22K
R700 1/10W1K-F
R709 1/10W51K-F
C805 OPEN
R802 OPEN
R701 1/10W1K-F
R735 1/10W150K
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C703 B50V4700P
R711 1/10W33K
R710 1/10W330K
R713 1/10W10K
R714 1/10W2.7K
IC700 BA14741F
R715 1/10W3.9K
D732 RLZ10B
D733 RLS71
R716 1/10W10K
D702 RLZ7.5B
D703 RLS71
C704 50V0.01
R722 1/10W10K
IC715 BA10393F
R712 1/10W4.7K
R717 1/10W4.7K
Q703 2SC2412
Q701 2SA1037
12V
R801 1/10W10K
R890 1/10W3.9K
R705 1/10W12K
C741 25V10
NP C717 50V2.2
R720 1/10W15K-F
R721 1/10W270K-F
R719 1/10W33K
R704 OPEN
L700 FBR07HA850
R706 1/10W4.7K
R702 1/10W4.7K
C705 25V100
C706 B50V4700P
R718 1/10W100K
IC701 MB43411S
R723 1/10W10K
C712 SL50V56P
C708 CH50V470P
C709 50V0.01
R724 1/10W150K
R725 1/10W5.6K
C710 50V4.7
C711 25V22
C713 25V22
R789 1/10W100
DAC14
DAC24
F
G
H
10
11
12
13
14
15

図面 コード	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

控	
出図用	
外注用	
計画	1

DIM. IN mm

尺度 SCALE

:

NTS

MITSUBISHI ELECTRIC CORPORATION

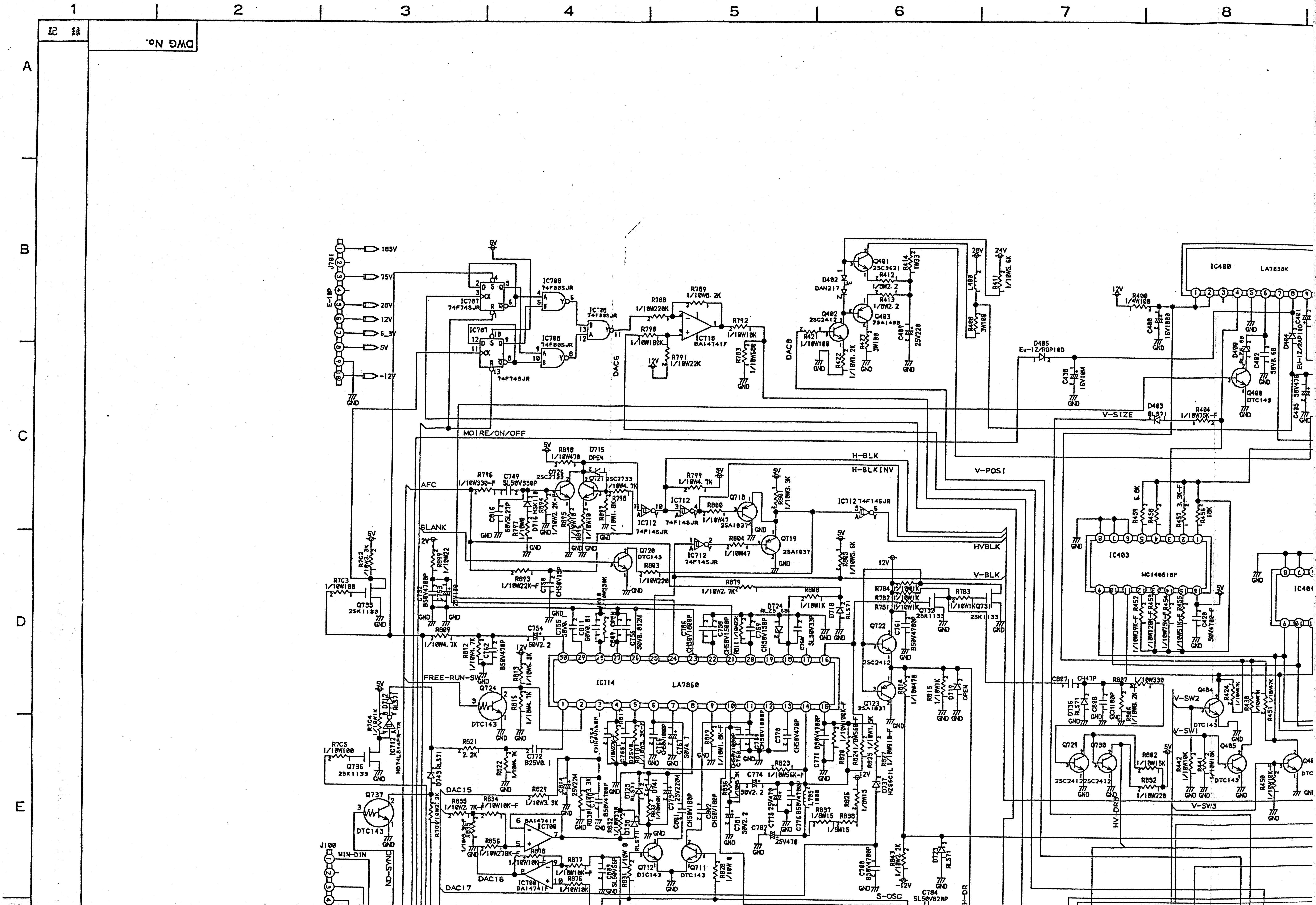
NAGASAKI WORKS

作成日付 DATE	—	—	検認 APPROVED
作成 DRAWN			
照査 CHECKED			
設計 DESIGNED			

TITLE

W-Display (VIDEO)

REV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IC708
74F00SJR
IC70
74F00SJR
IC707
74F74SJR
IC708
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R789
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1/10W22K
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1/10W10K
R793
1/10W680
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DAC8
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R414
1W33
R412
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D402
DAN217
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1/8W2.2
Q402
2SC2412
Q403
2SA1400
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1/10W100
R422
1/10W1.2K
R423
3W100
C401
25V220
28V
24V
L400
R411
1/10W5.6K
R400
3W100
IC400
LA7838K
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R400
1/4W100
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D405
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C430
16V10M
D400
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C402
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D404
EU-1Z/RAP10
Q400
DTC143
D403
RLS71
R404
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C405
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MOIRE/ON/OFF
H-BLK
H-BLKINV
V-POSI
AFC
R796
1/10W330-F
C749
SL50V330P
5V
R808
1/10W470
D715
OPEN
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Q727
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1/10W4.7K
R798
1/10W4.7K
IC712
74F14SJR
R800
1/10W47
Q718
2SA1037
R801
1/10W3.3K
IC712 74F14SJR
C816
50VSL27P
R797
1/10W0
D716
HSK110
R894
1/10W2.2K
R895
1/10W0
R810
1/10W0
R811
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BLANK
IC712
74F14SJR
R804
1/10W47
Q719
2SA1037
HVBLK
R805
1/10W5.6K
5V
Q720
DTC143
R803
1/10W220
R893
1/10W22K-F
C758
CH50V15P
R818
1/10W330K
V-BLK
12V
R899
1/10W22
C752
B50V4700P
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25V100
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R7C3
1/10W100
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1/10W2.7K
R808
1/10W1K
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R7B1
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50V0.1
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C758
CH50V1500P
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SL50V33P
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C762
B50V470P
R813
1/10W6.8K
FREE-RUN-SW
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DTC143
R816
1/10W4.7K
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1/10W470
Q723
2SA1037
R815
1/10W1K
D717
OPEN
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CH47P
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1/10W330
C808
CH100P
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1/10W8.2K
D736
RLS71
IC403
MC14051BF
R459
6.8K
R458
R457
3.3K-F
R456
10K
R452
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R453
1/10W120K-F
R454
1/10W75K
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5V
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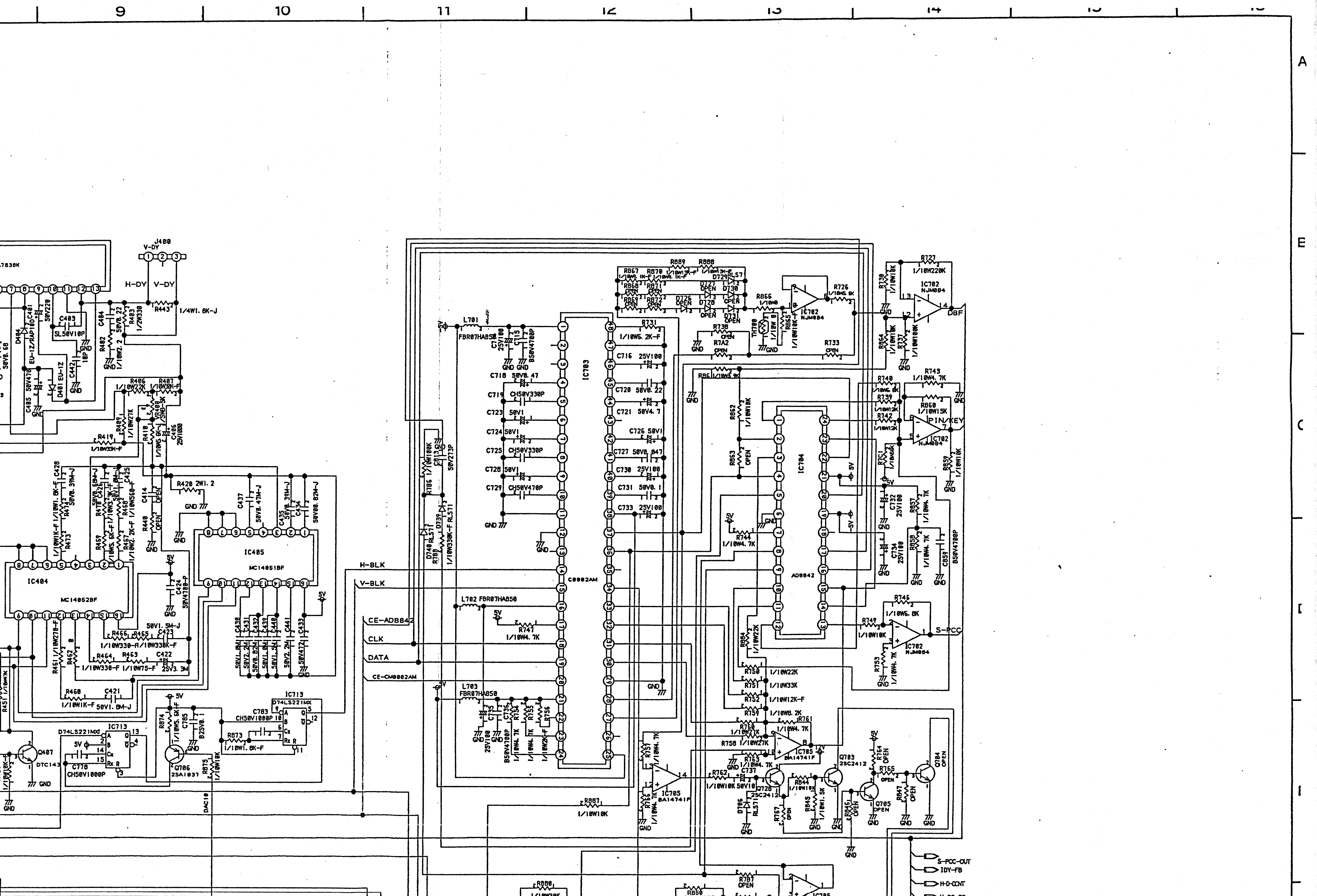
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D401 EU-1Z
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10P
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C485 50V470
R406
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C424
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R451 1/10W270-F
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R753
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R761
R760 1/10W4.7K
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BA14741F
R763
1/10W4.7K
R762
1/10W10K
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50V10
Q728
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1/10W4.7K
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D706
RLS71
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OPEN
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R847
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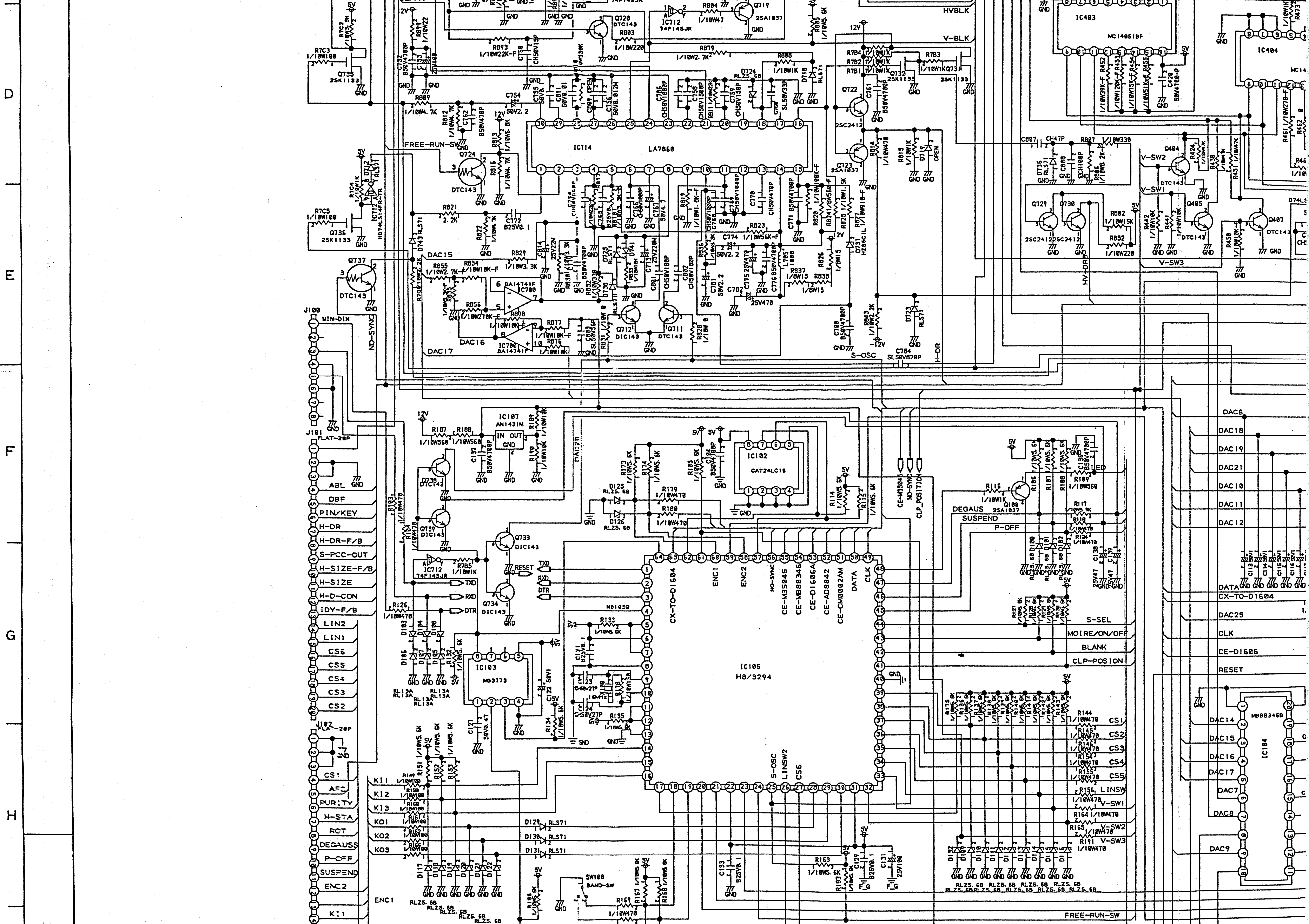
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J101
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J102
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V-BLK
FREE-RUN-SW
NO-SYNC
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DAC16
DAC17
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HV-DRB
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V-SW2
V-SW3
ABL
DBF
PIN/KEY
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S-PCC-OUT
H-SIZE-F/B
H-SIZE
H-D-CON
IDY-F/B
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LIN1
CS6
CS5
CS4
CS3
CS2
CS1
AFC
PURITY
H-STA
ROT
DEGAUSS
P-OFF
SUSPEND
ENC2
ENC1
KI1
KI2
KI3
KO1
KO2
KO3
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SW100
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RXD
DTR
RESET
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CE-MB88346
CE-D1606A
CE-AD8842
CE-CM0002AM
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CLP_POSITION
S-SEL
MOIRE/ON/OFF
BLANK
CLP-POSION
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DAC18
DAC19
DAC21
DAC10
DAC11
DAC12
DAC14
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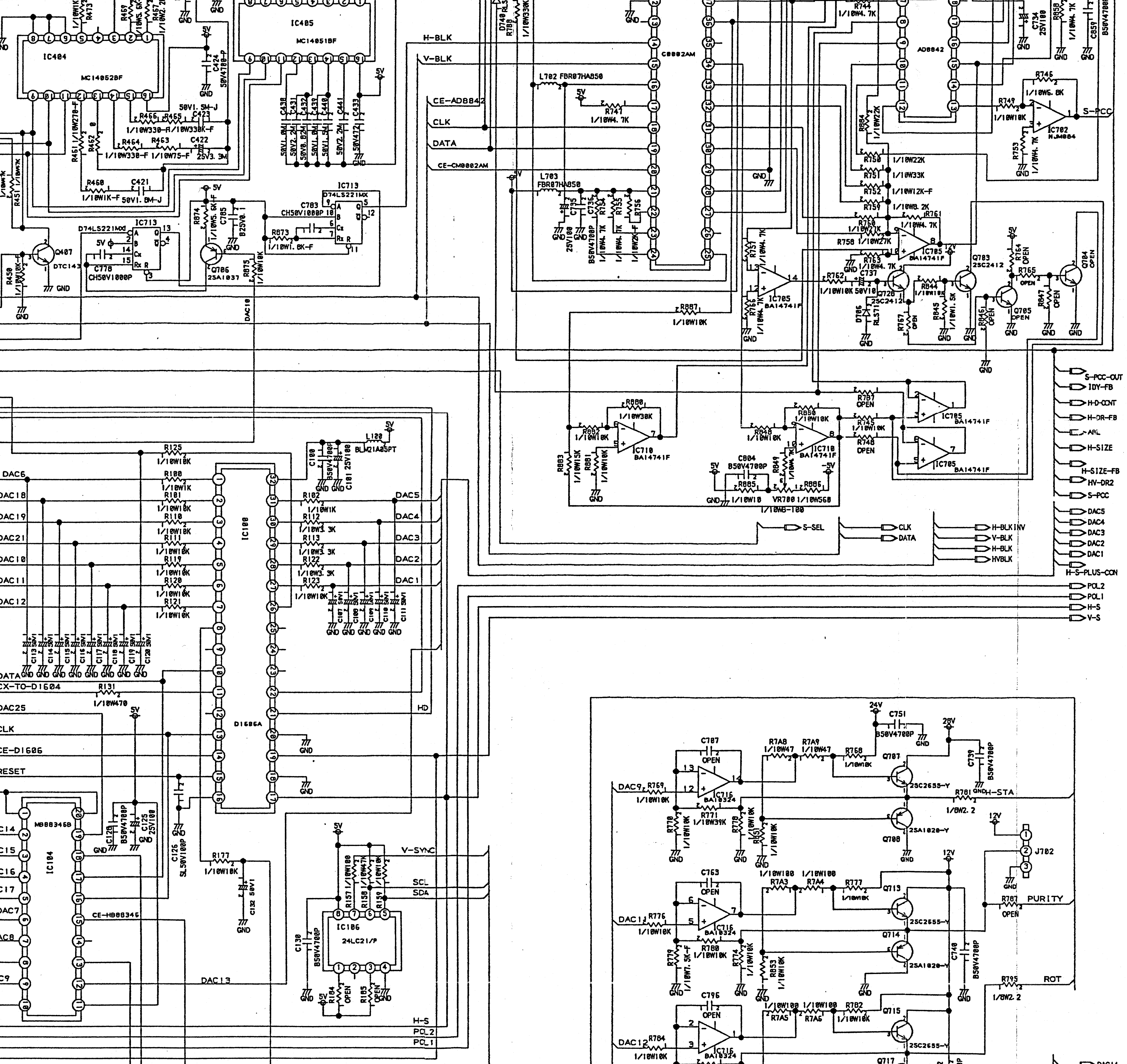
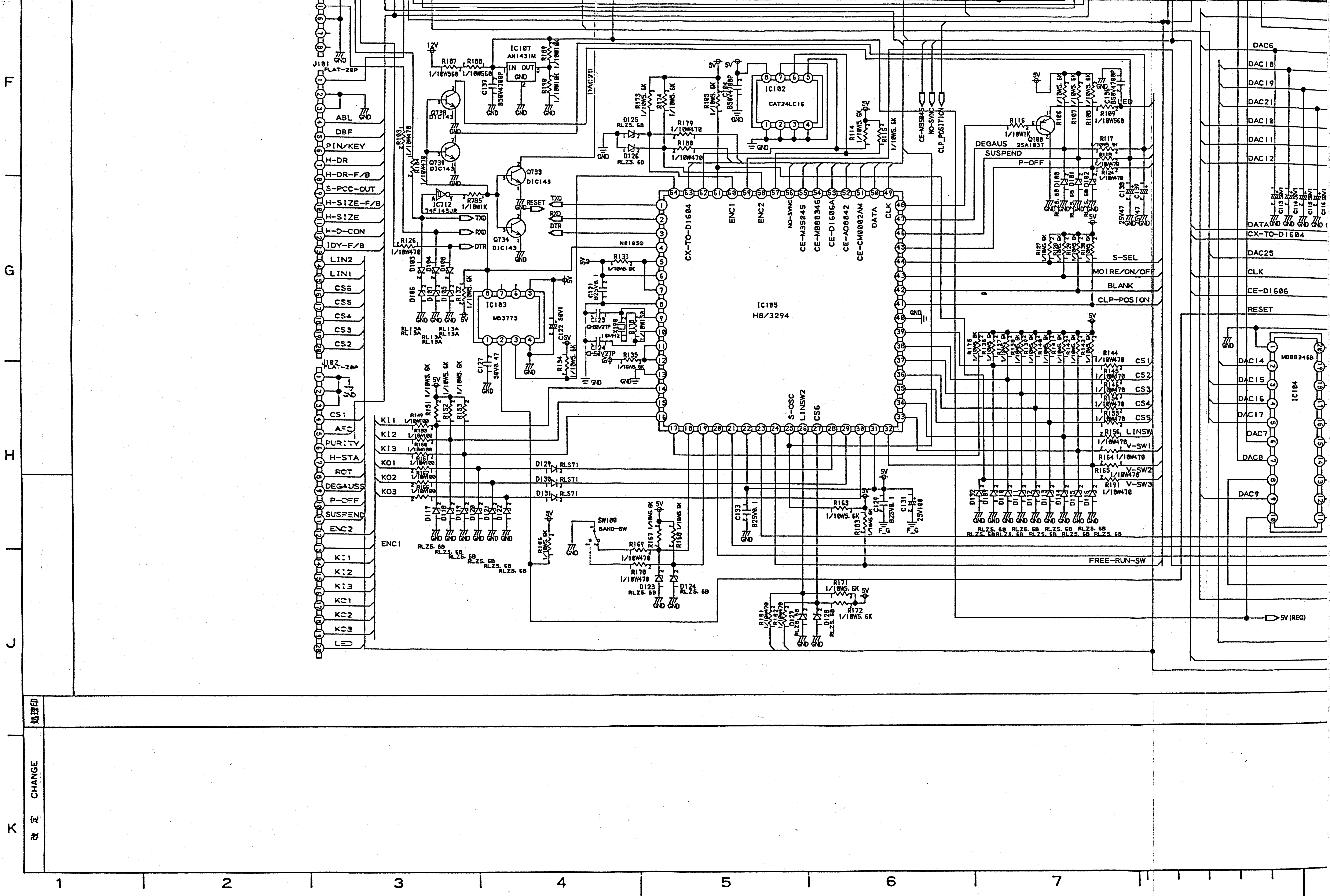
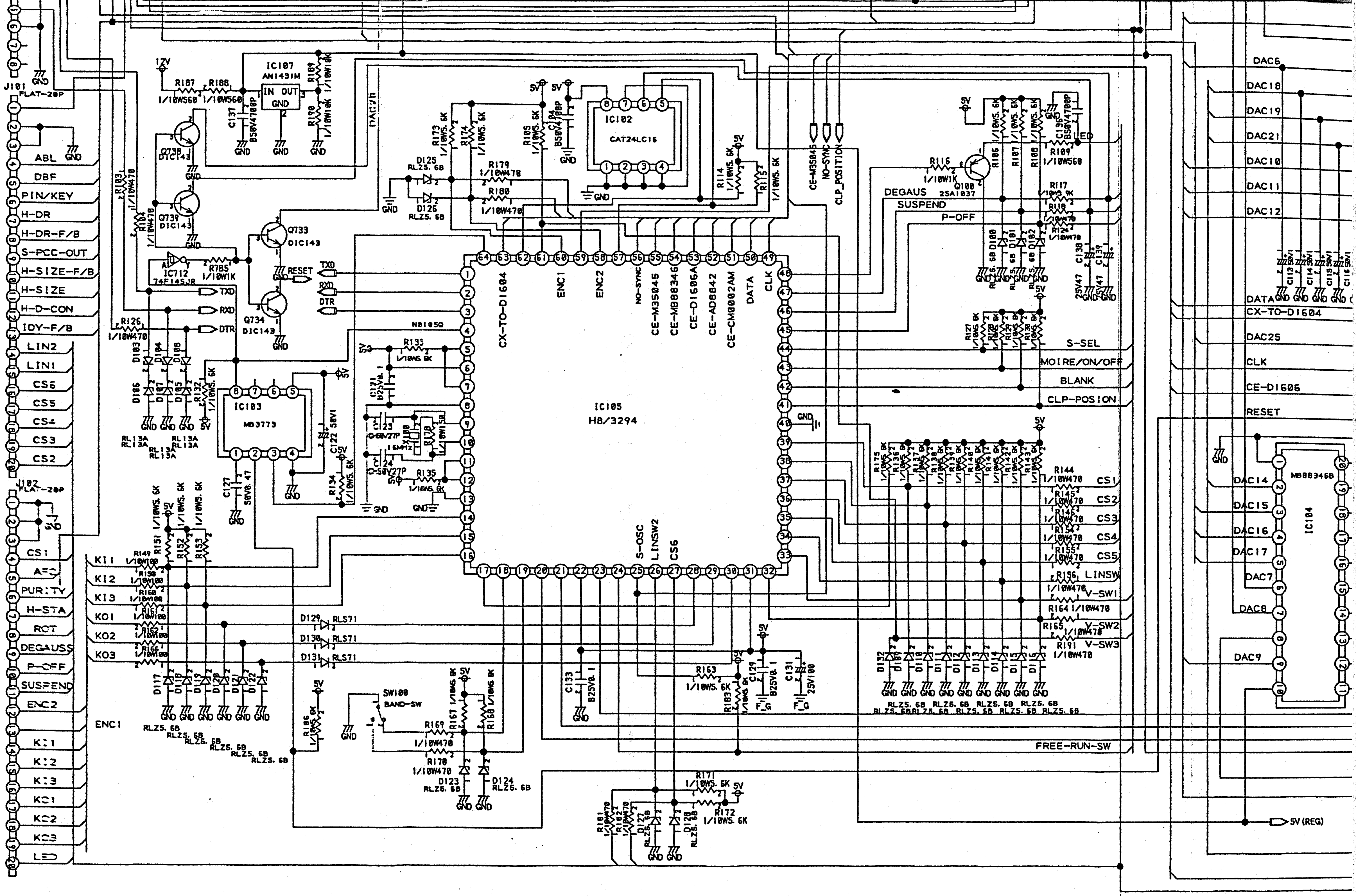
DAC8
DAC9
Q719 2SA1037
Q720 DTC143
Q722 2SC2412
Q723 2SA1037
Q724 DTC143
Q735 2SK1133
Q736 2SK1133
Q737 DTC143
Q732 2SK1133
Q711 DTC143
Q712 DTC143
Q729 2SC2412
Q730 2SC2412
Q404
Q405 DTC143
Q407 DTC143
Q108 2SA1037
Q733 DTC143
Q734 DTC143
Q738 DTC143
Q739 DTC143
GND
5V
12V
-12V


IC404
MC14052BF
IC405
MC14051BF
IC713
D74LS221MX
Q407
DTC143
Q706
2SA1037
H-BLK
V-BLK
CE-AD8842
CLK
DATA
CE-CM0002AM
L702 FBR07HA850
L703 FBR07HA850
CM0002AM
AD8842
IC702
NJM084
S-PCC
IC705
BA14741F
IC710
BA14741F
Q703
2SC2412
Q704
OPEN
Q705
OPEN
Q720
2SC2412
D706
RLS71
DAC10
VR700 1/10WB-100
S-SEL
CLK
DATA
H-BLKINV
V-BLK
H-BLK
HVBLK
S-PCC-OUT
IDY-FB
H-D-CONT
H-DR-FB
ARL
H-SIZE
H-SIZE-FB
HV-DR2
S-PCC
DAC5
DAC4
DAC3
DAC2
DAC1
H-S-PLUS-CON
POL2
POL1
H-S
V-S
IC100
D1606A
L120
BLM21A05PT
DAC6
DAC18
DAC19
DAC21
DAC10
DAC11
DAC12
DAC5
DAC4
DAC3
DAC2
DAC1
DATA
CX-TO-D1604
DAC25
CLK
CE-D1606
RESET
HD
IC104
MB88346B
CE-MB88346
DAC13
DAC7
IC106
24LC21/P
V-SYNC
SCL
SDA
H-S
POL2
POL1
GND
5V
12V
24V
-5V
C707
C751
C739
C763
C748
C796
Q707
2SC2655-Y
Q708
2SA1020-Y
Q713
2SC2655-Y
Q714
2SA1020-Y
Q715
2SC2655-Y
Q717
IC716
BA10324
DAC9
DAC1
DAC12
H-STA
J702
PURITY
ROT
R787 OPEN
R795 1/6W2.2
R781 1/6W2.2


J101 FLAT-20P
ABL
DBF
PIN/KEY
H-DR
H-DR-F/B
S-PCC-OUT
H-SIZE-F/B
H-SIZE
H-D-CON
IDY-F/B
LIN2
LIN1
CS5
CS5
CS4
CS3
CS2
J102 FLAT-20P
CS1
AFC
PURITY
H-STA
ROT
DEGAUSS
P-OFF
SUSPEND
ENC2
KI1
KI2
KI3
KO1
KO2
KO3
LED
ENC1
12V
IC107 AN1431M
IN OUT GND
R187 1/10W560
R188 1/10W560
C137 B50V4700P
R189 1/10W10K
R190 1/10W10K
Q738 DIC143
Q739 DIC143
Q733 DIC143
Q734 DIC143
IC712 74F145JR
R785 1/10W1K
R103 1/10W470
R104 1/10W470
R126 1/10W470
RESET
TXD
RXD
DTR
IC103 MB3773
C122 50V1
C127 50V0.47
R134 1/10W5.6K
R132 1/10W5.6K
D103 D104 D106 D105 D107 D108
RL13A
IC102 CAT24LC16
C104 B50V470P
R105 1/10W5.6K
R173 1/10W5.6K
R174 1/10W5.6K
R179 1/10W470
R180 1/10W470
D125 RLZ5.6B
D126 RLZ5.6B
R114 1/10W5.6K
R115 1/10W5.6K
CE-M35045
NO-SYNC
CLP_POSITION
IC105 H8/3294
CX-TO-D1604
ENC1
ENC2
NO-SYNC
CE-M35045
CE-MB88346
CE-D1606A
CE-AD8842
CE-CM0002AM
DATA
CLK
S-OSC
LINSW2
CS6
N8105Q
R133 1/10W5.6K
C121 B25V0.1
C123 C-50V27P
C124 C-50V27P
X100 16MHz
R178 1/10W1.5M
R135 1/10W5.6K
R151 1/10W5.6K
R152 1/10W5.6K
R153 1/10W5.6K
R149 1/10W100
R150 1/10W100
R160 1/10W100
R161 1/10W100
R162 1/10W100
R166 1/10W100
D117 D118 D119 D120 D121 D122
RLZ5.6B
D129 RLS71
D130 RLS71
D131 RLS71
R186 1/10W5.6K
SW100 BAND-SW
R169 1/10W470
R170 1/10W470
R167 1/10W5.6K
R168 1/10W5.6K
D123 RLZ5.6B
D124 RLZ5.6B
C133 B25V0.1
R163 1/10W5.6K
R183 1/10W5.6K
C129 B25V0.1
C131 25V100
R171 1/10W5.6K
R172 1/10W5.6K
R181 1/10W470
R182 1/10W470
D127 RLZ5.6B
D128 RLZ5.6B
FREE-RUN-SW
5V(REG)
R116 1/10W1K
Q100 2SA1037
R106 1/10W5.6K
R107 1/10W5.6K
R108 1/10W5.6K
C136 B50V4700P
R109 1/10W560
LED
DEGAUS
SUSPEND
P-OFF
R117 1/10W5.6K
R118 1/10W470
R124 1/10W470
D100 D101 D102
C138 25V47
C139 25V47
R127 R128 R129 R130 1/10W5.6K
S-SEL
MOIRE/ON/OFF
BLANK
CLP-POSION
R175 R136 R137 R138 R139 R140 R141 R142 R143 1/10W5.6K
R144 1/10W470 CS1
R145 1/10W470 CS2
R146 1/10W470 CS3
R154 1/10W470 CS4
R155 1/10W470 CS5
R156 1/10W470 LINSW
R164 1/10W470 V-SW1
R165 1/10W470 V-SW2
R191 1/10W470 V-SW3
D132 D110 D111 D112 D113 D114 D115 D116
RLZ5.6B
DAC6
DAC18
DAC19
DAC21
DAC10
DAC11
DAC12
DATA
CX-TO-D1604
DAC25
CLK
CE-D1606
RESET
DAC14
DAC15
DAC16
DAC17
DAC7
DAC8
DAC9
IC104 MB88346B
C113 C114 C115 C116 50V1
GND
5V
F
G
H
J
K
1
2
3
4
5
6
7
処理印
CHANGE
改 定

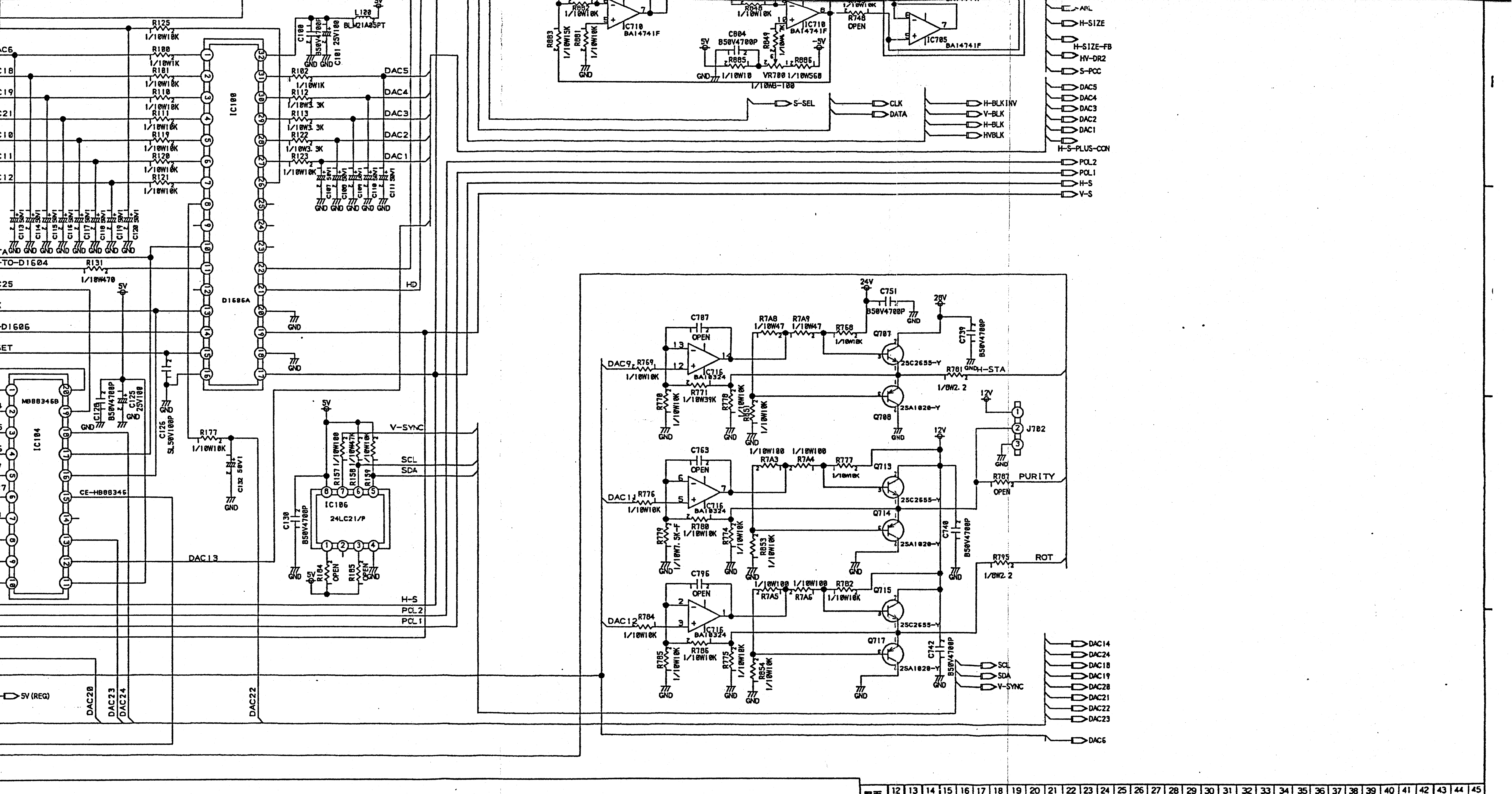

J101
FLAT-20P
ABL
DBF
PIN/KEY
H-DR
H-DR-F/B
S-PCC-OUT
H-SIZE-F/B
H-SIZE
H-D-CON
IDY-F/B
LIN2
LIN1
CS6
CS5
CS4
CS3
CS2
J102
FLAT-20P
CS1
AFC
PURITY
H-STA
ROT
DEGAUSS
P-OFF
SUSPEND
ENC2
KI1
KI2
KI3
KO1
KO2
KO3
LED
ENC1
IC107
AN1431M
IN OUT
12V
R187
R188
1/10W560
C137
B50V4700P
R189
R190
1/10W10K
Q738
DTC143
Q739
DTC143
R103
R104
1/10W470
IC712
74F145JR
R785
1/10W1K
Q733
DTC143
Q734
DTC143
RESET
TXD
RXD
DTR
R126
1/10W470
IC103
MB3773
C122
50V1
C127
50V0.47
R134
1/10W5.6K
IC102
CAT24LC16
D125
D126
RLZ5.6B
R173
R174
R179
R180
1/10W470
R105
R114
R115
1/10W5.6K
IC105
H8/3294
CX-TO-D1604
ENC1
ENC2
NO-SYNC
CE-M35045
CE-MB88346
CE-D1606A
CE-AD8842
CE-CM0002AM
DATA
CLK
S-OSC
LINSW2
CS6
N8105Q
R133
C171
B25V0.1
C123
CH50V27P
X100
16MHz
R178
C124
R135
SW100
BAND-SW
R166
R167
R168
R169
R170
D123
D124
R149
R150
R151
R152
R153
R160
R161
R162
R165
1/10W100
D129
D130
D131
RLS71
D117
D118
D119
D120
D121
D122
C133
B25V0.1
R163
C129
C131
25V100
R183
R181
R182
D127
D128
R171
R172
1/10W5.6K
CE-M35045
NO-SYNC
CLP_POSITION
R116
1/10W1K
Q100
2SA1037
DEGAUS
SUSPEND
P-OFF
R106
R107
R108
C136
B50V4700P
R109
1/10W560
LED
R117
R118
R124
D100
D101
D102
C138
C139
25V47
R127
R128
R129
R130
S-SEL
MOIRE/ON/OFF
BLANK
CLP-POSION
R175
R136
R137
R138
R139
R140
R141
R142
R143
R144
R145
R146
R154
R155
R156
R164
R165
R191
1/10W470
CS1
CS2
CS3
CS4
CS5
LINSW
V-SW1
V-SW2
V-SW3
D132
D133
D134
D135
D136
D137
D138
D139
D140
D141
RLZ5.6B
FREE-RUN-SW
5V(REG)
DAC6
DAC18
DAC19
DAC21
DAC10
DAC11
DAC12
DATA
CX-TO-D1604
DAC25
CLK
CE-D1606
RESET
DAC14
DAC15
DAC16
DAC17
DAC7
DAC8
DAC9
IC104
MB88346B
C113
C114
C115
C116
GND
5V

F
G
H
J
K
1
2
3
4
5
6
7

処理印

CHANGE

改 定


IC100
D1686A
IC104
MB88346B
CE-MB88346
IC106
24LC21/P
IC710
BA14741F
IC705
IC715
BA10324
R125
R100
R101
R110
R111
R119
R120
R121
1/10W10K
1/10W1K
R102
R112
R113
R122
R123
1/10W3.3K
L120
BLM21A05PT
C100
C101
25V100
B50V4700P
C107
C108
C109
C110
C111
C113
C114
C115
C116
C117
C118
C119
C120
DAC5
DAC4
DAC3
DAC2
DAC1
DAC6
DAC18
DAC19
DAC21
DAC10
DAC11
DAC12
DAC13
DAC20
DAC22
DAC23
DAC24
TO-D1604
R131
1/10W470
D1606
C25
SET
5V
GND
R177
C126
SL50V100P
C125
C128
C132
HD
V-SYNC
SCL
SDA
H-S
PCL2
PCL1
R157
R158
R159
R104
R105
OPEN
C130
5V(REG)
R883
R881
1/10W15K
R882
R848
R849
C804
R885
R886
VR700
1/10WB-100
1/10W560
R748
-5V
S-SEL
CLK
DATA
H-BLKINV
V-BLK
H-BLK
HVBLK
ABL
H-SIZE
H-SIZE-FB
HV-DR2
S-PCC
H-S-PLUS-CON
POL2
POL1
V-S
24V
28V
12V
C751
C787
C763
C796
C739
C740
C742
R7A8
R7A9
1/10W47
R768
R769
R770
R771
1/10W39K
R779
R761
R781
1/8W2.2
Q707
Q708
Q713
Q714
Q715
Q717
2SC2655-Y
2SA1020-Y
H-STA
J702
PURITY
R787
R776
R780
R774
R853
1/10W7.5K-F
R7A3
R7A4
R777
1/10W100
ROT
R795
R784
R785
R786
R775
R854
R7A5
R7A6
R782
DAC9
DAC14
DAC24
DAC18
DAC19
DAC20
DAC21
DAC22
DAC23
DAC6

図面コード	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

控			**MITSUBISHI ELECTRIC CORPORATION** NAGASAKI WORKS		
出図用					
外注用					TITLE
計画	1	DIM. IN mm	作成日付 DATE	— —	検 認 APPROVED
		尺度 SCALE	作 成 DRAWN		
		: NTS	照 査 CHECKED		
			設 計 DESIGNED		

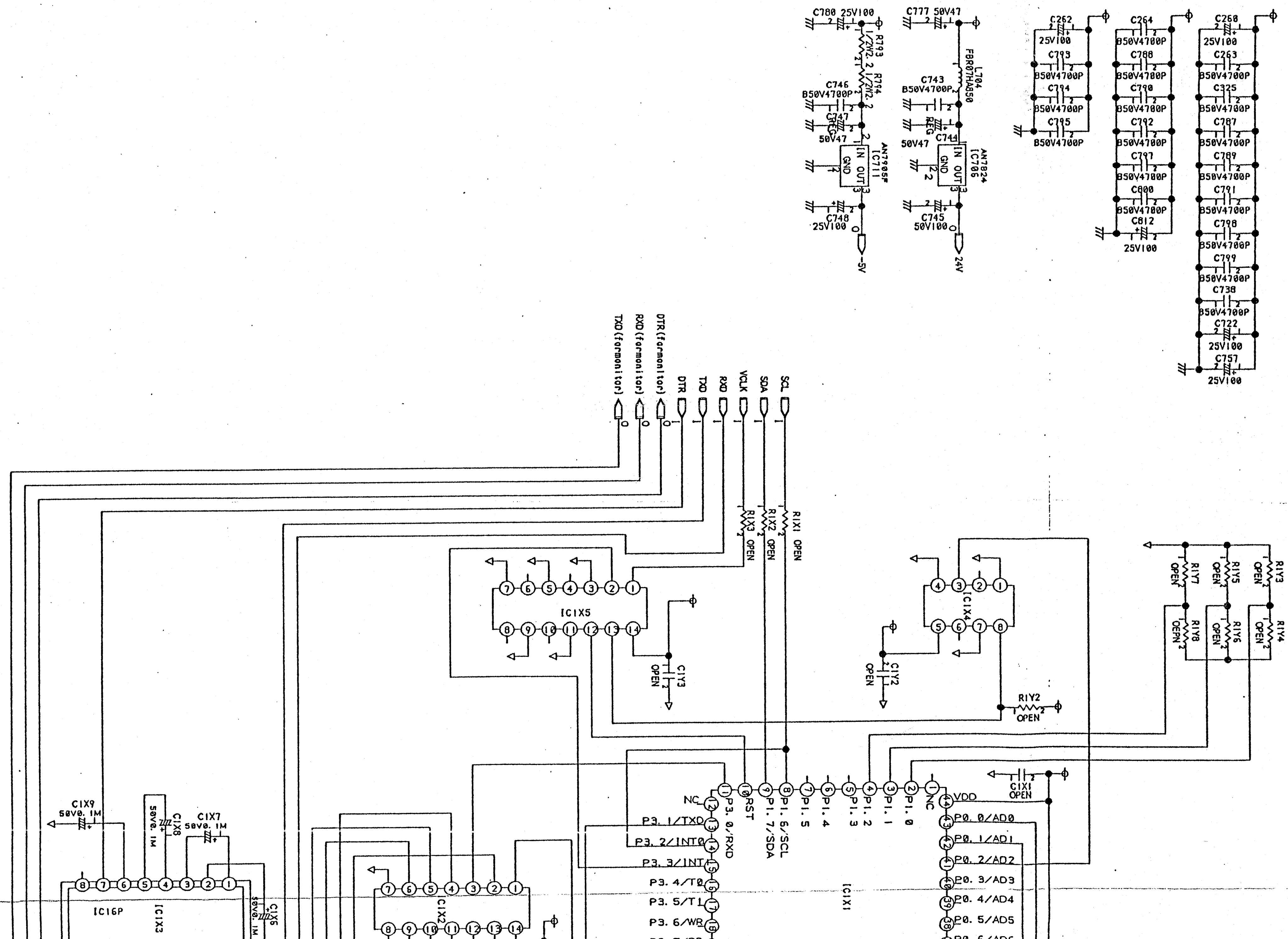
W-Display (CONTROL-1)

REV

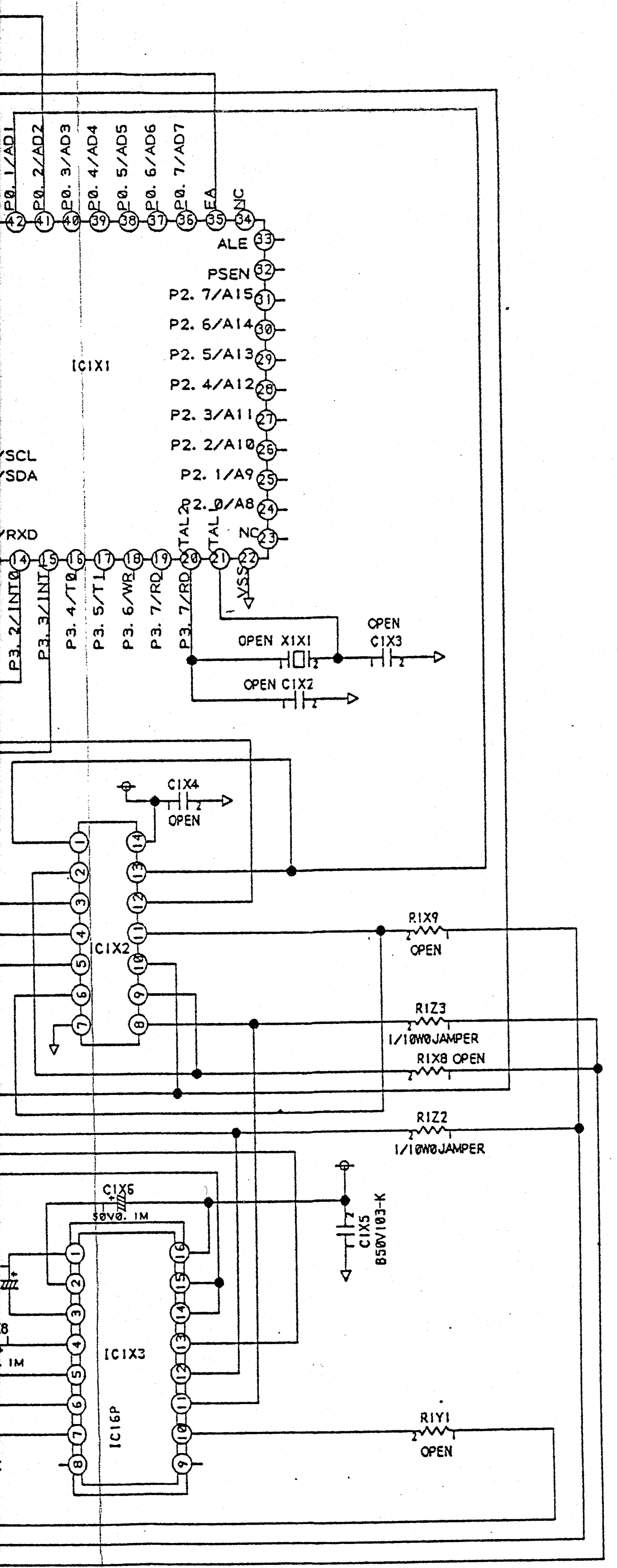
10 11 12 13 14 15

改 定 CHANGE

DWG NO.



C780 25V100
R793 1/2W2.2
R794 1/2W2.2
C746 B50V4700P
C747 50V47
REG
AN7905F IC711
IN OUT GND
C748 25V100
-5V
C777 50V47
L704 FBR07HA850
C743 B50V4700P
C744 50V47
AN7824 IC706
C745 50V100
24V
C262 25V100
C793 B50V4700P
C794 B50V4700P
C795 B50V4700P
C264 B50V4700P
C788 B50V4700P
C790 B50V4700P
C792 B50V4700P
C797 B50V4700P
C800 B50V4700P
C812 25V100
C260 25V100
C263 B50V4700P
C325 B50V4700P
C787 B50V4700P
C789 B50V4700P
C791 B50V4700P
C798 B50V4700P
C799 B50V4700P
C738 B50V4700P
C722 25V100
C757 25V100
TXD(formonitor)
RXD(formonitor)
DTR(formonitor)
DTR
TXD
RXD
VCLK
SDA
SCL
R1X1 OPEN
R1X2 OPEN
R1X3 OPEN
IC1X5
C1Y3 OPEN
IC1X4
C1Y2 OPEN
R1Y2 OPEN
R1Y7 OPEN
R1Y5 OPEN
R1Y3 OPEN
R1Y8 OPEN
R1Y6 OPEN
R1Y4 OPEN
C1X1 OPEN
NC
RST
P3.0/RXD
P1.7/SDA
P1.6/SCL
P1.5
P1.4
P1.3
P1.2
P1.1
P1.0
VDD
P0.0/AD0
P0.1/AD1
P0.2/AD2
P0.3/AD3
P0.4/AD4
P0.5/AD5
P3.1/TXD
P3.2/INT0
P3.3/INT1
P3.4/T0
P3.5/T1
P3.6/WR
IC1X1
C1X9 50V0.1M
C1X8 50V0.1M
C1X7 50V0.1M
C1X6 50V0.1M
IC16P
IC1X3
IC1X2


P0. 1/AD1
P0. 2/AD2
P0. 3/AD3
P0. 4/AD4
P0. 5/AD5
P0. 6/AD6
P0. 7/AD7
EA
NC
ALE
PSEN
P2. 7/A15
P2. 6/A14
P2. 5/A13
P2. 4/A12
P2. 3/A11
P2. 2/A10
P2. 1/A9
P2. 0/A8
NC
VSS
IC1X1
/SCL
/SDA
/RXD
P3. 2/INT0
P3. 3/INT1
P3. 4/T0
P3. 5/T1
P3. 6/WR
P3. 7/RD
P3. 7/RD
TAL2
TAL
OPEN X1X1
OPEN C1X3
OPEN C1X2
C1X4 OPEN
IC1X2
R1X9 OPEN
R1Z3 1/10W0JAMPER
R1X8 OPEN
R1Z2 1/10W0JAMPER
C1X6 50V0. 1M
C1X5 B50V103-K
IC1X3
IC16P
R1Y1 OPEN

控	
出図用	
外注用	
計画	1

図面コード 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

第3角法 3RD ANGLE PROJECTION | DIM. IN mm | 尺度 SCALE | 作成日付 DATE

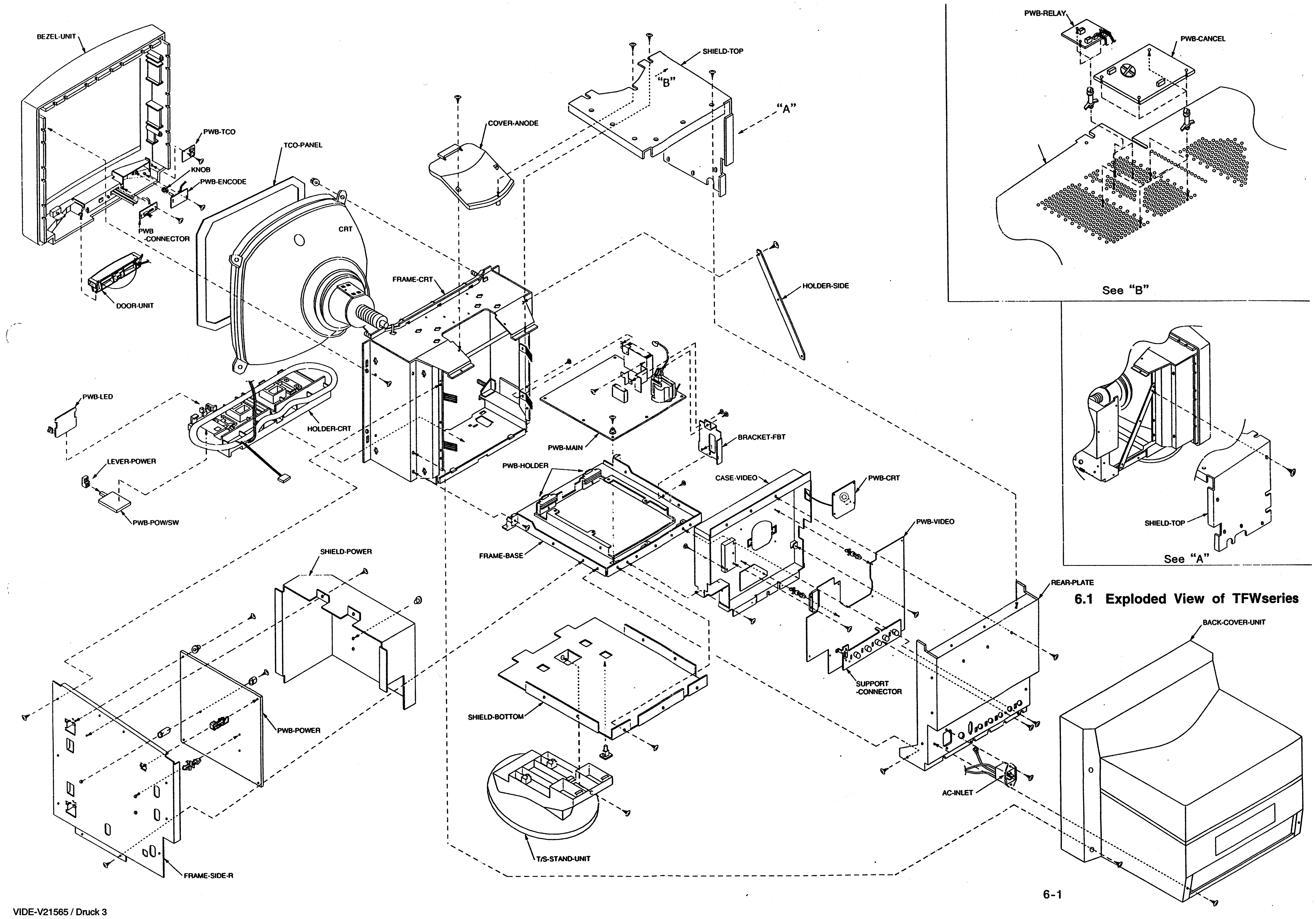
MITSUBISHI ELECTRIC CORPORATION
NAGASAKI WORKS

作成 DRAWN | 検認 APPROVED
照査 CHECKED
設計 DESIGNED

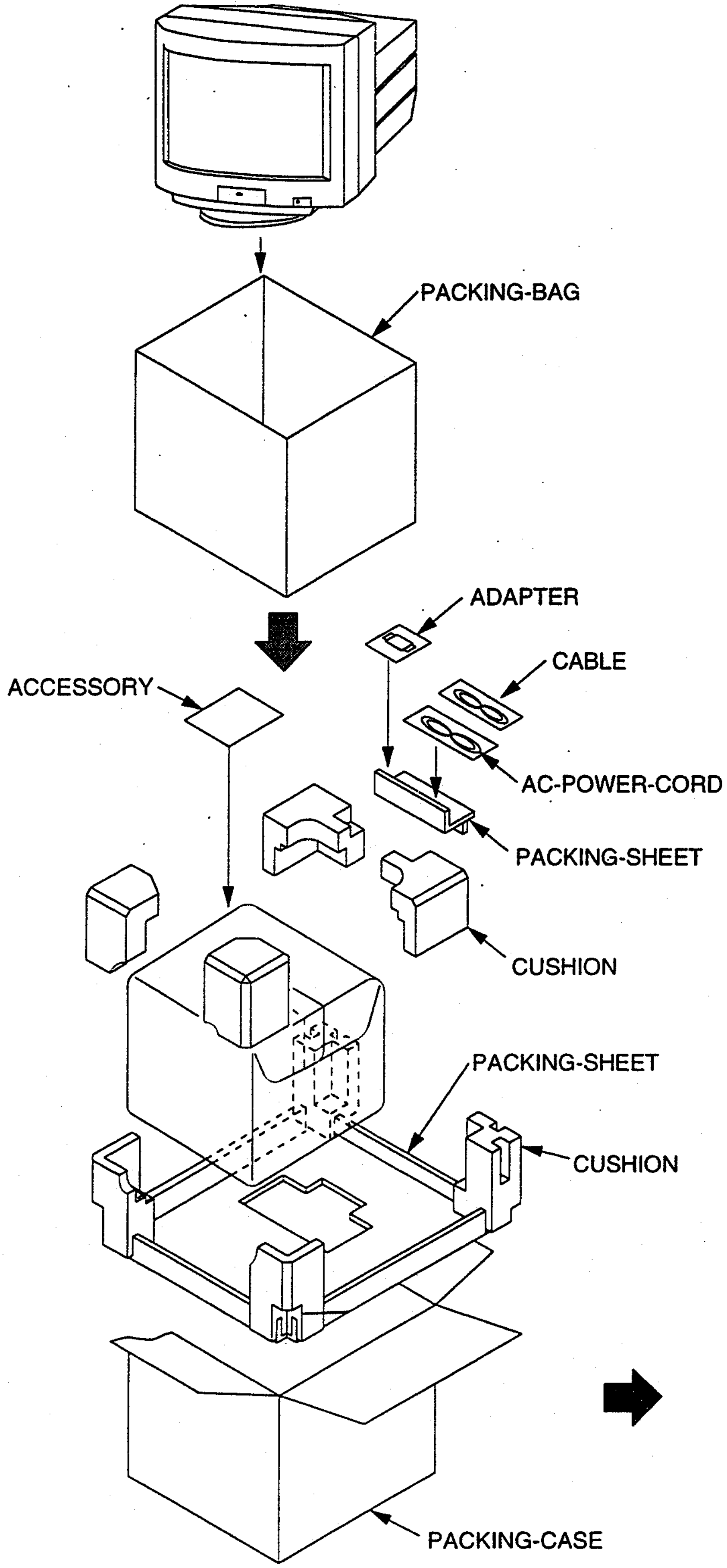
W-Display (CONTROL-2)

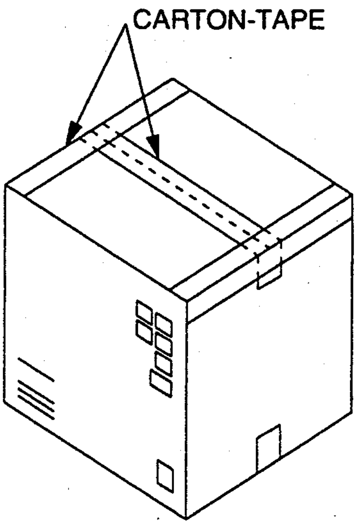
REV

6.1 Exploded View of TFWseries


BEZEL-UNIT
PWB-TCO
KNOB
PWB-ENCODE
PWB
-CONNECTOR
DOOR-UNIT
TCO-PANEL
CRT
COVER-ANODE
SHIELD-TOP
"B"
"A"
FRAME-CRT
HOLDER-SIDE
PWB-LED
HOLDER-CRT
LEVER-POWER
PWB-POW/SW
PWB-MAIN
BRACKET-FBT
PWB-HOLDER
FRAME-BASE
CASE-VIDEO
PWB-CRT
PWB-VIDEO
SHIELD-POWER
PWB-POWER
FRAME-SIDE-R
SHIELD-BOTTOM
T/S-STAND-UNIT
SUPPORT
-CONNECTOR
REAR-PLATE
AC-INLET
BACK-COVER-UNIT
PWB-RELAY
PWB-CANCEL
See "B"
SHIELD-TOP
See "A"

6.2 Packing View


PACKING-BAG
ADAPTER
CABLE
ACCESSORY
AC-POWER-CORD
PACKING-SHEET
CUSHION
PACKING-SHEET
CUSHION
PACKING-CASE


CARTON-TAPE

7. All Parts List

ALL PARTS LIST

318

機種コード＝ 2A-19W4-A- -　　機種名＝ TFW9105SKTK

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格 1	規格 2	材料証明	QTY 乗数	LOT NO. ロット
	CP242C121A20	AC-POWER-CORD	RX242D125-1			1	10-99
	CP242C201A10	CABLE	SC-B102			1	10-99
	CP246B129C70	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	20-99
	CP246B131A10	FFC-CABLE	12P	TFW9105K		1	20-99
	CP437B008A20	CONTROL-PANEL		TFW9105K	(MI)	1	10-99
	CP452P155A60	ADAPTER	AD-A205			1	10-99
	CP641A011A20	COVER-ANORD	ABS	TFW9105K	(ME)	1	20-99
	CP669D035A20	SCREW-TB-SEMS	3X8 22AA005	XC-3715C		3	20-99
	CP702A004B20	DOOR	ABS	THN9105K	(ME)	1	10-99
	CP703C038A10	KNOB-VR	ABS	THN9105K	(ME)	1	10-99
	CP720B050A10	BEZEL-UNIT	CP700A108-1	TFW9105K	(ME)	1	10-99
	CP721B041B10	BACK-COVER-UNIT	CP700A109-1	THN9105K	(ME)	1	10-99
	CP722B007B10	T/S-STAND-UNIT		FR8905K	(ME)	1	10-99
	CP775C210A50	RATING-LABEL	POLYESTER-TACK 0.1	TFW9105S		1	10-99
	CP802C132A60	PACKING-CASE		TFW9105K		1	10-99
	CP850B006C50	LABEL-USE	POLYESTER-TACK 0.1	FR8905K		1	10-19
	CP850B013A10	LABEL-USE	POLYESTER-TACK 0.1	TFW9105S		1	20-99
	CP850D217A30	BAR-CODE-UPC	WHITE-PAPER 70KG	THN9105S		2	10-19
	CP850D217A90	BAR-CODE-UPC	WHITE-PAPER 70KG	TFW9105S		2	20-99
	CP859C110A10	ACCESSORY		TFW9105K		1	10-62
	CP859C110A10	ACCESSORY		TFW9105K		1	64-71
	CP859C110A10	ACCESSORY		TFW9105K		1	75-81
	CP859C110A10	ACCESSORY		TFW9105K		1	85-99
	CP859C110B10	ACCESSORY		TFW9105S		1	63-63
	CP859C110B10	ACCESSORY		TFW9105S		1	72-74
	CP859C110B10	ACCESSORY		TFW9105S		1	82-84

This page parts are exclusive use for TFW9105SKTK, MELA.

ALL PARTS LIST

機種コード = 2A-19W4-F-　　機種名 = TFW9105SKTKL-MG

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格 1	規格 2	材料証明	QTY 乗数	LOT NO. ロット
	CP242C099A10	AC-POWER-CORD		PM-1461C		1	10-99
	CP242C201A10	CABLE	SC-B102			1	10-99
	CP246B129C70	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	40-99
	CP246B131A10	FFC-CABLE	12P	TFW9105K		1	40-99
	CP437B008A20	CONTROL-PANEL		TFW9105K	(MI)	1	10-99
	CP452P155A60	ADAPTER	AD-A205			1	10-99
	CP641A011A20	COVER-ANORD	ABS	TFW9105K	(ME)	1	40-99
	CP669D035A20	SCREW-TB-SEMS	3X8 22AA005	XC-3715C		3	40-99
	CP702A004B20	DOOR	ABS	THN9105K	(ME)	1	10-99
	CP703C038A10	KNOB-VR	ABS	THN9105K	(ME)	1	10-99
	CP720B050A10	BEZEL-UNIT	CP700A108-1	TFW9105K	(ME)	1	10-99
	CP721B041B10	BACK-COVER-UNIT	CP700A109-1	THN9105K	(ME)	1	10-99
	CP722B007B10	T/S-STAND-UNIT		FR8905K	(ME)	1	10-99
	CP775C210A60	RATING-LABEL	POLYESTER-TACK 0.1	TFW9105S		1	10-99
	CP802C132A70	PACKING-CASE		TFW9105K		1	10-99
	CP850B006C50	LABEL-USE	POLYESTER-TACK 0.1	FR8905K		1	10-19
	CP850B013A10	LABEL-USE	POLYESTER-TACK 0.1	TFW9105S		1	20-99
	CP850D206A20	LABEL-CAUTION	WHITE-PAPER 70KG	THN9105K		1	10-99
	CP859C110A20	ACCESSORY		TFW9105K		1	10-99

This page parts are exclusive use for TFW9105SKTKL-MG, MEU-GER.

ALL PARTS LIST

TFW9105SKTKL-MK

SYMBOL NO.	PART NO.	DESCRIPTION / SPECIFICATION				QTY	LOT NO.
諸元	子部品コード	品　名	仕様規格 1	規格 2	材料証明	乗数	ロット
	CP242C152A20	AC-POWER-CORD			(MT)	1	10-99
	CP242C201A10	CABLE	SC-B102			1	10-99
	CP246B129C70	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	40-99
	CP246B131A10	FFC-CABLE	12P	TFW9105K		1	40-99
	CP437B008A20	CONTROL-PANEL		TFW9105K	(MI)	1	10-99
	CP452P155A60	ADAPTER	AD-A205			1	10-99
	CP641A011A20	COVER-ANORD	ABS	TFW9105K	(ME)	1	40-99
	CP669D035A20	SCREW-TB-SEMS	3X8 22AA005	XC-3715C		3	40-99
	CP702A004B20	DOOR	ABS	THN9105K	(ME)	1	10-99
	CP703C038A10	KNOB-VR	ABS	THN9105K	(ME)	1	10-99
	CP720B050A10	BEZEL-UNIT	CP700A108-1	TFW9105K	(ME)	1	10-99
	CP721B041B10	BACK-COVER-UNIT	CP700A109-1	THN9105K	(ME)	1	10-99
	CP722B007B10	T/S-STAND-UNIT		FR8905K	(ME)	1	10-99
	CP775C210A60	RATING-LABEL	POLYESTER-TACK 0.1	TFW9105S		1	10-99
	CP802C132A70	PACKING-CASE		TFW9105K		1	10-99
	CP850B006C50	LABEL-USE	POLYESTER-TACK 0.1	FR8905K		1	10-19
	CP850B013A10	LABEL-USE	POLYESTER-TACK 0.1	TFW9105S		1	20-99
	CP850D180A10	LABEL	LABEL			1	10-99
	CP850D206A20	LABEL-CAUTION	WHITE-PAPER 70KG	THN9105K		1	10-99
	CP859C110A20	ACCESSORY		TFW9105K		1	10-99

This page parts are exclusive use for TFW9105SKTKL-MK, MEU-UK.

機種コード = 2A-19W4-S- -　機種名 = TFW9105SKTKL-AS

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格 1	規格 2	材料証明	QTY 乗数	LOT NO. ロット
	CP242C107B20	AC-POWER-CORD		FA3425KE		1	10-99
	CP242C201A10	CABLE	SC-B102			1	10-99
	CP437B008A20	CONTROL-PANEL		TFW9105K	(MI)	1	10-99
	CP452P155A60	ADAPTER	AD-A205			1	10-99
	CP641A011A20	COVER-ANORD	ABS	TFW9105K	(ME)	1	10-99
	CP669D035A20	SCREW-TB-SEMS	3X8 22AA005	XC-3715C		3	10-99
	CP702A004B20	DOOR	ABS	THN9105K	(ME)	1	10-99
	CP703C038A10	KNOB-VR	ABS	THN9105K	(ME)	1	10-99
	CP720B050A10	BEZEL-UNIT	CP700A108-1	TFW9105K	(ME)	1	10-99
	CP721B041B10	BACK-COVER-UNIT	CP700A109-1	THN9105K	(ME)	1	10-99
	CP722B007B10	T/S-STAND-UNIT		FR8905K	(ME)	1	10-99
	CP775C210A70	RATING-LABEL	POLYESTER-TACK 0.1	TFW9105S		1	10-99
	CP802C132A70	PACKING-CASE		TFW9105K		1	10-99
	CP850B006C50	LABEL-USE	POLYESTER-TACK 0.1	FR8905K		1	10-19
	CP850B013A10	LABEL-USE	POLYESTER-TACK 0.1	TFW9105S		1	20-99
	CP850D206A20	LABEL-CAUTION	WHITE-PAPER 70KG	THN9105K		1	10-99
	CP850D213A40	LABEL				2	10-99
	CP859C110A20	ACCESSORY		TFW9105K		1	10-99

This page parts are exclusive use for TFW9105SKTKL-AS, ME-AUST.

ALL PARTS LIST

2

SYMBOL NO. | PART NO. | DESCRIPTION / SPECIFICATION | Q'TY | LOT NO.

機種コード = 2A-19W4-B- - 機種名 = TFW9105SKTKW-NL

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
	CP242C121A20	AC-POWER-CORD	RX242D125-1			1	10-99
	CP242C201A10	CABLE	SC-B102			1	10-99
	CP246B129C70	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	57-99
	CP246B131A10	FFC-CABLE	12P	TFW9105K		1	57-99
	CP437B008A20	CONTROL-PANEL		TFW9105K	(MI)	1	10-99
	CP641A011A20	COVER-ANORD	ABS	TFW9105K	(ME)	1	57-99
	CP669D035A20	SCREW-TB-SEMS	3X8 22AA005	XC-3715C		3	57-99
	CP702A004B20	DOOR	ABS	THN9105K	(ME)	1	10-99
	CP703C038A10	KNOB-VR	ABS	THN9105K	(ME)	1	10-99
	CP720B044A40	BEZEL-UNIT	CP700A108-1	THN9105K		1	10-99
	CP721B041B10	BACK-COVER-UNIT	CP700A109-1	THN9105K	(ME)	1	10-99
	CP722B007B10	T/S-STAND-UNIT		FR8905K	(ME)	1	10-99
	CP775C210A90	RATING-LABEL	POLYESTER-TACK 0.1	TFW9105S		1	10-99
	CP802C132A90	PACKING-CASE		TFW9105K		1	10-99
	CP850B006C50	LABEL-USE	POLYESTER-TACK 0.1	FR8905K		1	10-19
	CP850B013A10	LABEL-USE	POLYESTER-TACK 0.1	TFW9105S		1	20-99
	CP850D206A20	LABEL-CAUTION	WHITE-PAPER 70KG	THN9105K		1	10-99
	CP859C110A40	ACCESSORY		TFW9105K		1	10-99

This page parts are exclusive use for TFW9105SKTKW-NL, No Logo.

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード= 2A-19W4- - - 機種名= TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
	CH010H451B10	PVC-UL-WR	45MM			1	20-99
	CH010H501C10	PVC-UL-WR	50MM			1	20-99
	CH010H951G10	PVC-UL-WR	95MM			1	20-20
	CH010H951G10	PVC-UL-WR	95MM			1	40-40
	CH010H951G10	PVC-UL-WR	95MM			1	50-50
	CH011H111E10	PVC-UL-WR	110MM			1	20-20
	CH011H111E10	PVC-UL-WR	110MM			1	40-40
	CH011H111E10	PVC-UL-WR	110MM			1	50-50
	CH011H131E10	PVC-UL-WR	130MM			1	30-30
	CH011H131E10	PVC-UL-WR	130MM			1	51-99
	CH540H259Z90	PVC-TUBE-UL	ﾏﾙ2 25L			1	30-99
	CP071P002A10	ACETATE-TAPE	0.24-19X3000			//	20-60
	CP071P002A10	ACETATE-TAPE	0.24-19X3000			//	62-63
	CP071P002A10	ACETATE-TAPE	0.24-19X3000			//	64-65
	CP071P002A10	ACETATE-TAPE	0.24-19X3000			//	66-67
	CP071P002A10	ACETATE-TAPE	0.24-19X3000			//	68-99
	CP081P001A10	SILICONE-GUM	150Gｲﾘ ｸﾞﾚｰ"TSE3940"			//	10-99
	CP096P004A10	MASKING-TAPE	19X50M CREAM			1	10-99
	CP096P009A10	TAPE-AL	CCT-20-A			2	20-99
R 604	CP103P062A31	R-METAL-S	1/4W 82-F	820 RN-H		1	10-19
R 905	CP103P062A81	R-METAL-S	1/4W 130-F	131 RN-H		1	10-99
R 996	CP103P062A81	R-METAL-S	1/4W 130-F	131 RN-H		1	10-99
R 617	CP103P063A71	R-METAL-S	1/4W 330-F	331 RN-H		1	10-19
R 5F4	CP103P064A51	R-METAL-S	1/4W 680-F			1	20-99
R 5B2	CP103P064A91	R-METAL-S	1/4W 1K-F	102 RN-H		1	10-99
R 5F4	CP103P064A91	R-METAL-S	1/4W 1K-F	102 RN-H		1	10-19
R 945	CP103P065A71	R-METAL-S	1/4W 2.2K-F	222 RN-H		1	10-99
R 957	CP103P065A81	R-METAL-S	1/4W 2.4K-F	242 RN-H		1	10-99
R 998	CP103P065A81	R-METAL-S	1/4W 2.4K-F	242 RN-H		1	10-99
R 953	CP103P065A91	R-METAL-S	1/4W 2.7K-F	272 RN-H		1	10-99
R 5F2	CP103P066A01	R-METAL-S	1/4W 3K-F	302 RN-H		1	10-19
R 6F2	CP103P066A31	R-METAL-S	1/4W 3.9K-F	392 RN-H	(DH)	1	10-99
R 611	CP103P066A41	R-METAL-S	1/4W 4.3K-F 432 RN-H			1	10-99
R 997	CP103P066A41	R-METAL-S	1/4W 4.3K-F 432 RN-H			1	10-99
R 6F3	CP103P066A51	R-METAL-S	1/4W 4.7K-F 472RN-H			1	10-99
R 5F1	CP103P066A71	R-METAL-S	1/4W 5.6K-F	562 RN-H		1	10-19
R 6G4	CP103P066A71	R-METAL-S	1/4W 5.6K-F	562 RN-H		1	10-19
R 6G7	CP103P066A71	R-METAL-S	1/4W 5.6K-F	562 RN-H		1	20-99
R 6F7	CP103P066A91	R-METAL-S	1/4W 6.8K-F 682 RN-H			1	10-99
R 6F8	CP103P067A01	R-METAL-S	1/4W 7.5K-F			1	10-99
R 609	CP103P067A01	R-METAL-S	1/4W 7.5K-F			1	10-99
R 952	CP103P067A21	R-METAL-S	1/4W 9.1K-F	912 RN-H	(DH)	1	10-99
R 5A7	CP103P067A91	R-METAL-S	1/4W 18K-F 183 RN-H			1	10-99
R 5A9	CP103P068A51	R-METAL-S	1/4W 33K-F 333RN-H			1	10-99
R 5A1	CP103P068A71	R-METAL-S	1/4W 39K-F	393 RN-H	(DH)	1	10-99
R 5A2	CP103P068A71	R-METAL-S	1/4W 39K-F	393 RN-H	(DH)	1	10-99
R 506	CP103P068A71	R-METAL-S	1/4W 39K-F	393 RN-H	(DH)	1	10-99
R 505	CP103P069A01	R-METAL-S	1/4W 51K-F			1	10-99
R 604	CP103P069A51	R-METAL-S	1/4W 82K-F	823 RN-H		1	20-99
R 955	CP103P069A51	R-METAL-S	1/4W 82K-F	823 RN-H		1	10-99
R 608	CP103P070A11	R-METAL-S	1/4W 100K-F	104 RN-H		1	10-99
R 951	CP103P070A11	R-METAL-S	1/4W 100K-F	104 RN-H		1	10-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY

2

LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 617	CP103P071A31	R-METAL-S	1/4W 330K-F			1	20-99
R 287	CP103P091A51	R-CARBON-CHIP	1/4W 82-J			1	20-99
R 289	CP103P091A51	R-CARBON-CHIP	1/4W 82-J			1	20-99
R 208	CP103P092A41	R-CARBON-CHIP	1/4W 470-J			1	10-99
R 220	CP103P092A41	R-CARBON-CHIP	1/4W 470-J			1	10-99
R 229	CP103P092A41	R-CARBON-CHIP	1/4W 470-J			1	10-99
R 204	CP103P092A51	R-CARBON-CHIP	1/4W 560-J			1	10-99
R 216	CP103P092A51	R-CARBON-CHIP	1/4W 560-J			1	10-99
R 226	CP103P092A51	R-CARBON-CHIP	1/4W 560-J			1	10-99
R 212	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	20-20
R 212	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	30-30
R 212	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	40-40
R 212	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	50-99
R 213	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	20-20
R 213	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	30-30
R 213	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	40-40
R 213	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	50-99
R 214	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	20-20
R 214	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	30-30
R 214	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	40-40
R 214	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	50-99
R 358	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	20-20
R 358	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	30-30
R 358	OP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	40-40
R 358	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	50-99
R 359	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	20-20
R 359	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	30-30
R 359	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	40-40
R 359	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	50-99
R 360	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	20-20
R 360	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	30-30
R 360	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	40-40
R 360	CP103P098A01	R-CARBON-CHIP	1/4W 75-J			1	50-99
R 402	CP103P100A11	R-CARBON-CHIP	1/10W 2.2-K			1	20-20
R 402	CP103P100A11	R-CARBON-CHIP	1/10W 2.2-K			1	30-30
R 402	CP103P100A11	R-CARBON-CHIP	1/10W 2.2-K			1	40-40
R 402	CP103P100A11	R-CARBON-CHIP	1/10W 2.2-K			1	50-99
R 109	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 895	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 896	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 201	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 206	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 207	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 215	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 219	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 223	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 225	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 228	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 231	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 236	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 258	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 259	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY 3 LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

指元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 285	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 332	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 334	CP103P100A41	R-CARBON-CHIP	1/10W 10-J			1	10-99
R 266	CP103P100A71	R-CARBON-CHIP	1/10W 18-J			1	10-78
R 266	CP103P100A71	R-CARBON-CHIP	1/10W 18-J			1	79-99
R 899	CP103P100A81	R-CARBON-CHIP	1/10W 22-J			1	10-99
R 205	CP103P101A01	R-CARBON-CHIP	1/10W 33-J			1	10-19
R 217	CP103P101A01	R-CARBON-CHIP	1/10W 33-J			1	10-19
R 227	CP103P101A01	R-CARBON-CHIP	1/10W 33-J			1	10-19
R 253	CP103P101A11	R-CARBON-CHIP	1/10W 39-J			1	10-99
R 254	CP103P101A11	R-CARBON-CHIP	1/10W 39-J			1	10-99
R 255	CP103P101A11	R-CARBON-CHIP	1/10W 39-J			1	10-99
R 7A8	CP103P101A21	R-CARBON-CHIP	1/10W 47-J			1	10-99
R 7A9	CP103P101A21	R-CARBON-CHIP	1/10W 47-J			1	10-99
R 800	CP103P101A21	R-CARBON-CHIP	1/10W 47-J			1	10-99
R 804	CP103P101A21	R-CARBON-CHIP	1/10W 47-J			1	10-99
R 149	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 150	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 157	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 160	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 161	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 162	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 166	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7A3	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7A4	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7A5	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7A6	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7B9	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7C3	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 7C5	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 200	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 209	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 210	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 221	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 222	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 230	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 235	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 239	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 248	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 251	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 252	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 256	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 257	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 268	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 303	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 305	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 307	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 397	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 398	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 421	CP103P101A61	R-CARBON-CHIP	1/10W 100-J			1	10-99
R 178	CP103P101A81	R-CARBON-CHIP	1/10W 150-J			1	10-99
R 292	CP103P101A91	R-CARBON-CHIP	1/10W 180-J			1	10-19

NO. PART NO. DESCRIPTION / SPECIFICATION QTY 4 LOT NO.

機種コード＝ 2A-19W4- - -　機種名 TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
396	CP103P101A91	R-CARBON-CHIP	1/10W 180-J			1	10-99
803	CP103P102A01	R-CARBON-CHIP	1/10W 220-J			1	10-99
852	CP103P102A01	R-CARBON-CHIP	1/10W 220-J			1	10-99
299	CP103P102A11	R-CARBON-CHIP	1/10W 270-J			1	10-99
807	CP103P102A21	R-CARBON-CHIP	1/10W 330-J			1	10-99
832	CP103P102A21	R-CARBON-CHIP	1/10W 330-J			1	10-99
205	CP103P102A21	R-CARBON-CHIP	1/10W 330-J			1	20-99
217	CP103P102A21	R-CARBON-CHIP	1/10W 330-J			1	20-99
227	CP103P102A21	R-CARBON-CHIP	1/10W 330-J			1	20-99
103	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
104	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
118	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
124	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
126	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
131	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
144	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
145	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
146	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
154	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
155	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
156	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
164	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
165	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
169	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
170	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
179	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
180	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
181	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
182	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
191	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
814	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
898	CP103P102A41	R-CARBON-CHIP	1/10W 470-J			1	10-99
187	CP103P102A51	R-CARBON-CHIP	1/10W 560-J			1	10-99
188	CP103P102A51	R-CARBON-CHIP	1/10W 560-J			1	10-99
885	CP103P102A51	R-CARBON-CHIP	1/10W 560-J			1	10-99
886	CP103P102A51	R-CARBON-CHIP	1/10W 560-J			1	10-99
324	CP103P102A51	R-CARBON-CHIP	1/10W 560-J			1	10-99
783	CP103P102A61	R-CARBON-CHIP	1/10W 680-J			1	10-99
292	CP103P102A61	R-CARBON-CHIP	1/10W 680-J			1	10-99
325	CP103P102A61	R-CARBON-CHIP	1/10W 680-J			1	10-99
100	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
102	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
116	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
117	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-30
117	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	11-99
7B1	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
7B2	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	0-99
7B3	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
7B4	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
7B5	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
808	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	0-99
815	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	0-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
R 7C4	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
R 203	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
R 291	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-19
R 331	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
R 335	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
R 356	CP103P102A81	R-CARBON-CHIP	1/10W 1K-J			1	10-99
R 422	CP103P102A91	R-CARBON-CHIP	1/10W 1.2K-J			1	10-99
R 825	CP103P103A01	R-CARBON-CHIP	1/10W 1.5K-J			1	10-99
R 845	CP103P103A01	R-CARBON-CHIP	1/10W 1.5K-J			1	10-99
R 395	CP103P103A01	R-CARBON-CHIP	1/10W 1.5K-J			1	10-99
R 897	CP103P103A11	R-CARBON-CHIP	1/10W 1.8K-J			1	10-99
R 821	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 843	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 7C6	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 261	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 270	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 281	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 333	CP103P103A21	R-CARBON-CHIP	1/10W 2.2K-J			1	10-99
R 714	CP103P103A31	R-CARBON-CHIP	1/10W 2.7K-J			1	10-99
R 879	CP103P103A31	R-CARBON-CHIP	1/10W 2.7K-J			1	10-99
R 112	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 113	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 122	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 7A7	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 801	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 829	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 830	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 836	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 7C2	CP103P103A41	R-CARBON-CHIP	1/10W 3.3K-J			1	10-99
R 117	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-29
R 117	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	31-50
R 715	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-99
R 861	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-99
R 890	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-99
R 233	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-99
R 237	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-99
R 241	CP103P103A51	R-CARBON-CHIP	1/10W 3.9K-J			1	10-99
R 702	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 706	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 712	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 717	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 743	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 744	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 747	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 753	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 754	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 755	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 757	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 761	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 763	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 766	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99
R 772	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J			1	10-99

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 773	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 798	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 799	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 809	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 812	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 816	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 822	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 849	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 857	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 858	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 202	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 308	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 357	CP103P103A61	R-CARBON-CHIP	1/10W 4.7K-J				10-99
R 105	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 106	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 107	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 108	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 114	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 115	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 127	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 128	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 129	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 130	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 132	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				10-99
R 133	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 134	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 135	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 136	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 137	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 138	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 139	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 140	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 141	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 142	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 143	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 151	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 152	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 153	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 163	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 167	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 168	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 171	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 172	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 173	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 174	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 175	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 186	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 725	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 726	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 805	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 296	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				A 10-99
R 410	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J				B 70-99

ALL PARTS LIST

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機種コード＝ 2A-19W4- - -　　機種名＝ TFW9105K

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格 1	規格 2	材料証明	QTY 乗数	LOT NO. ロット
R 411	CP103P103A71	R-CARBON-CHIP	1/10W 5.6K-J			1	10-99
R 740	CP103P103A81	R-CARBON-CHIP	1/10W 6.8K-J			1	10-99
R 813	CP103P103A81	R-CARBON-CHIP	1/10W 6.8K-J			1	10-99
R 410	CP103P103A81	R-CARBON-CHIP	1/10W 6.8K-J			1	10-69
R 759	CP103P103A91	R-CARBON-CHIP	1/10W 8.2K-J			1	10-99
R 789	CP103P103A91	R-CARBON-CHIP	1/10W 8.2K-J			1	10-99
R 101	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 110	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 111	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 119	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 120	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 121	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 123	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 125	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 159	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 177	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 7A1	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 705	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 713	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 716	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 722	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 723	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 730	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 741	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 745	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 749	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 762	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 768	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 769	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 770	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 774	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 775	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 776	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 777	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 778	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 779	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-19
R 780	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 782	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 784	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 786	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 792	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 828	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-19
R 831	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-19
R 833	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 844	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 848	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 850	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 851	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 853	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 854	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 859	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 862	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY 8 LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 864	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 875	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 876	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 881	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 882	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 887	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 891	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 234	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 238	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 242	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 243	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 244	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 245	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 246	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 290	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 327	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 328	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 329	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 330	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 441	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 442	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 450	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	10-99
R 399	CP103P104A01	R-CARBON-CHIP	1/10W 10K-J			1	60-99
R 739	CP103P104A11	R-CARBON-CHIP	1/10W 12K-J			1	10-99
R 742	CP103P104A11	R-CARBON-CHIP	1/10W 12K-J			1	10-99
R 785	CP103P104A11	R-CARBON-CHIP	1/10W 12K-J			1	10-99
R 297	CP103P104A11	R-CARBON-CHIP	1/10W 12K-J			1	10-99
R 298	CP103P104A11	R-CARBON-CHIP	1/10W 12K-J			1	10-99
R 802	CP103P104A21	R-CARBON-CHIP	1/10W 15K-J			1	10-99
R 860	CP103P104A21	R-CARBON-CHIP	1/10W 15K-J			1	10-99
R 883	CP103P104A21	R-CARBON-CHIP	1/10W 15K-J			1	10-99
R 351	CP103P104A21	R-CARBON-CHIP	1/10W 15K-J			1	10-19
R 353	CP103P104A21	R-CARBON-CHIP	1/10W 15K-J			1	10-19
R 355	CP103P104A21	R-CARBON-CHIP	1/10W 15K-J			1	10-19
R 732	CP103P104A41	R-CARBON-CHIP	1/10W 22K-J			1	10-99
R 750	CP103P104A41	R-CARBON-CHIP	1/10W 22K-J			1	10-99
R 791	CP103P104A41	R-CARBON-CHIP	1/10W 22K-J			1	10-99
R 811	CP103P104A41	R-CARBON-CHIP	1/10W 22K-J			1	10-99
R 406	CP103P104A41	R-CARBON-CHIP	1/10W 22K-J			1	10-99
R 758	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 760	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 262	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 263	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 264	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 265	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 271	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 272	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 273	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 274	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 282	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 283	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 294	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION Q'TY 9 LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 295	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 409	CP103P104A51	R-CARBON-CHIP	1/10W 27K-J			1	10-99
R 711	CP103P104A61	R-CARBON-CHIP	1/10W 33K-J			1	10-99
R 719	CP103P104A61	R-CARBON-CHIP	1/10W 33K-J			1	10-99
R 751	CP103P104A61	R-CARBON-CHIP	1/10W 33K-J			1	10-99
R 440	CP103P104A61	R-CARBON-CHIP	1/10W 33K-J			1	10-69
R 771	CP103P104A71	R-CARBON-CHIP	1/10W 39K-J			1	10-99
R 158	CP103P104A81	R-CARBON-CHIP	1/10W 47K-J			1	10-99
R 424	CP103P104A81	R-CARBON-CHIP	1/10W 47K-J			1	10-99
R 430	CP103P104A81	R-CARBON-CHIP	1/10W 47K-J			1	10-99
R 451	CP103P104A81	R-CARBON-CHIP	1/10W 47K-J			1	10-99
R 350	CP103P104A91	R-CARBON-CHIP	1/10W 56K-J			1	10-99
R 352	CP103P104A91	R-CARBON-CHIP	1/10W 56K-J			1	10-99
R 354	CP103P104A91	R-CARBON-CHIP	1/10W 56K-J			1	10-99
R 404	CP103P105A11	R-CARBON-CHIP	1/10W 82K-J			1	10-19
R 718	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 737	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 7B6	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 275	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 276	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 277	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 284	CP103P105A21	R-CARBON-CHIP	1/10W 100K-J			1	10-99
R 724	CP103P105A41	R-CARBON-CHIP	1/10W 150K-J			1	10-99
R 735	CP103P105A41	R-CARBON-CHIP	1/10W 150K-J			1	10-99
R 790	CP103P105A51	R-CARBON-CHIP	1/10W 180K-J			1	10-99
R 727	CP103P105A61	R-CARBON-CHIP	1/10W 220K-J			1	10-99
R 788	CP103P105A61	R-CARBON-CHIP	1/10W 220K-J			1	10-99
R 2B0	CP103P105A61	R-CARBON-CHIP	1/10W 220K-J			1	10-99
R 2G0	CP103P105A61	R-CARBON-CHIP	1/10W 220K-J			1	10-99
R 2R0	CP103P105A61	R-CARBON-CHIP	1/10W 220K-J			1	10-99
R 710	CP103P105A81	R-CARBON-CHIP	1/10W 330K-J			1	10-99
R 810	CP103P105A81	R-CARBON-CHIP	1/10W 330K-J			1	10-99
R 797	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	10-99
R 828	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	20-99
R 831	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	20-99
R 866	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	10-99
R 1Z2	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	10-99
R 1Z3	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	10-99
R 1Y1	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	10-99
R 462	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	10-99
TH700	CP103P107A21	R-CARBON-CHIP	1/10W 0 JUMPER			1	60-99
R 394	CP103P107A51	R-CARBON-CHIP	1/10W 2.4K-J			1	10-69
R 394	CP103P107A51	R-CARBON-CHIP	1/10W 2.4K-J			1	70-99
R 404	CP103P110A71	R-CARBON-CHIP	1/10W 75K-F			1	20-99
R 454	CP103P110A71	R-CARBON-CHIP	1/10W 75K-F			1	20-99
R 313	CP103P111A21	R-CARBON-CHIP	1/10W 51-F			1	10-69
R 313	CP103P111A21	R-CARBON-CHIP	1/10W 51-F			1	70-99
R 317	CP103P111A21	R-CARBON-CHIP	1/10W 51-F			1	10-19
R 321	CP103P111A21	R-CARBON-CHIP	1/10W 51-F			1	10-19
R 300	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	10-99
R 301	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	10-99
R 302	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	10-99

機種コード＝ 2A-19W4- - -　機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 315	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	10-99
R 317	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	20-99
R 319	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	10-99
R 321	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	20-99
R 323	CP103P111A61	R-CARBON-CHIP	1/10W 100-F			1	10-99
R 368	CP103P111A81	R-CARBON-CHIP	1/10W 150-F			1	10-99
R 369	CP103P111A81	R-CARBON-CHIP	1/10W 150-F			1	10-99
R 370	CP103P111A81	R-CARBON-CHIP	1/10W 150-F			1	10-99
R 365	CP103P111A91	R-CARBON-CHIP	1/10W 180-F			1	10-69
R 365	CP103P111A91	R-CARBON-CHIP	1/10W 180-F			1	70-99
R 366	CP103P111A91	R-CARBON-CHIP	1/10W 180-F			1	10-69
R 366	CP103P111A91	R-CARBON-CHIP	1/10W 180-F			1	70-99
R 367	CP103P111A91	R-CARBON-CHIP	1/10W 180-F			1	10-69
R 367	CP103P111A91	R-CARBON-CHIP	1/10W 180-F			1	70-99
R 461	CP103P112A11	R-CARBON-CHIP	1/10W 270-F			1	10-99
R 796	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	10-69
R 796	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	70-99
R 464	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	10-69
R 464	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	70-99
R 465	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	70-99
R 466	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	10-69
R 466	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	70-99
R 468	CP103P112A21	R-CARBON-CHIP	1/10W 330-F			1	10-69
R 465	CP103P112A51	R-CARBON-CHIP	1/10W 560-F			1	10-69
R 468	CP103P112A51	R-CARBON-CHIP	1/10W 560-F			1	70-99
R 700	CP103P112A81	R-CARBON-CHIP	1/10W 1.0K-F			1	10-99
R 701	CP103P112A81	R-CARBON-CHIP	1/10W 1.0K-F			1	10-99
R 247	CP103P112A81	R-CARBON-CHIP	1/10W 1.0K-F			1	10-99
R 291	CP103P112A81	R-CARBON-CHIP	1/10W 1.0K-F			1	20-99
R 460	CP103P112A81	R-CARBON-CHIP	1/10W 1.0K-F			1	10-99
R 473	CP103P112A81	R-CARBON-CHIP	1/10W 1.0K-F			1	10-99
R 819	CP103P113A11	R-CARBON-CHIP	1/10W 1.8K-F			1	10-99
R 873	CP103P113A11	R-CARBON-CHIP	1/10W 1.8K-F			1	10-99
R 469	CP103P113A11	R-CARBON-CHIP	1/10W 1.8K-F			1	10-69
R 474	CP103P113A11	R-CARBON-CHIP	1/10W 1.8K-F			1	70-99
R 893	CP103P113A21	R-CARBON-CHIP	1/10W 2.2K-F			1	10-19
R 894	CP103P113A21	R-CARBON-CHIP	1/10W 2.2K-F			1	10-99
R 467	CP103P113A21	R-CARBON-CHIP	1/10W 2.2K-F			1	10-99
R 855	CP103P113A31	R-CARBON-CHIP	1/10W 2.7K-F			1	10-99
R 868	CP103P113A31	R-CARBON-CHIP	1/10W 2.7K-F			1	10-99
R 871	CP103P113A31	R-CARBON-CHIP	1/10W 2.7K-F			1	10-99
R 474	CP103P113A31	R-CARBON-CHIP	1/10W 2.7K-F			1	10-69
R 818	CP103P113A41	R-CARBON-CHIP	1/10W 3.3K-F			1	10-99
R 835	CP103P113A41	R-CARBON-CHIP	1/10W 3.3K-F			1	10-99
R 240	CP103P113A41	R-CARBON-CHIP	1/10W 3.3K-F			1	10-99
R 457	CP103P113A41	R-CARBON-CHIP	1/10W 3.3K-F			1	20-99
R 470	CP103P113A41	R-CARBON-CHIP	1/10W 3.3K-F			1	10-99
R 874	CP103P113A71	R-CARBON-CHIP	1/10W 5.6K-F			1	10-99
R 469	CP103P113A71	R-CARBON-CHIP	1/10W 5.6K-F			1	70-99
R 459	CP103P113A81	R-CARBON-CHIP	1/10W 6.8K-F			1	20-99
R 746	CP103P113A91	R-CARBON-CHIP	1/10W 8.2K-F			1	10-99
R 806	CP103P113A91	R-CARBON-CHIP	1/10W 8.2K-F			1	10-99

ALL PARTS LIST

SYMBOL NO. | PART NO. | DESCRIPTION / SPECIFICATION | QTY | LOT NO.

11

機種コード＝ 2A-19W4- - -　　機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ﾛｯﾄ
R 189	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 190	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 703	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 728	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 734	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 736	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 834	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 865	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 877	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 878	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 884	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-99
R 459	CP103P114A01	R-CARBON-CHIP	1/10W 10K-F			1	10-19
R 752	CP103P114A11	R-CARBON-CHIP	1/10W 12K-F			1	10-99
R 720	CP103P114A21	R-CARBON-CHIP	1/10W 15K-F			1	10-99
R 456	CP103P114A31	R-CARBON-CHIP	1/10W 18K-F			1	20-99
R 817	CP103P114A41	R-CARBON-CHIP	1/10W 22K-F			1	10-99
R 893	CP103P114A41	R-CARBON-CHIP	1/10W 22K-F			1	20-99
R 456	CP103P114A41	R-CARBON-CHIP	1/10W 22K-F			1	10-19
R 293	CP103P114A61	R-CARBON-CHIP	1/10W 33K-F			1	10-99
R 419	CP103P114A61	R-CARBON-CHIP	1/10W 33K-F			1	10-99
R 351	CP103P114A71	R-CARBON-CHIP	1/10W 39K-F			1	20-99
R 353	CP103P114A71	R-CARBON-CHIP	1/10W 39K-F			1	20-99
R 355	CP103P114A71	R-CARBON-CHIP	1/10W 39K-F			1	20-99
R 452	CP103P114A71	R-CARBON-CHIP	1/10W 39K-F			1	10-69
R 452	CP103P114A71	R-CARBON-CHIP	1/10W 39K-F			1	70-99
R 823	CP103P114A91	R-CARBON-CHIP	1/10W 56K-F			1	10-99
R 7C1	CP103P114A91	R-CARBON-CHIP	1/10W 56K-F			1	10-99
R 455	CP103P114A91	R-CARBON-CHIP	1/10W 56K-F			1	10-19
R 820	CP103P115A21	R-CARBON-CHIP	1/10W 100K-F			1	10-99
R 707	CP103P115A21	R-CARBON-CHIP	1/10W 100K-F			1	10-99
R 454	CP103P115A21	R-CARBON-CHIP	1/10W 100K-F			1	10-19
R 453	CP103P115A31	R-CARBON-CHIP	1/10W 120K-F			1	20-99
R 453	CP103P115A61	R-CARBON-CHIP	1/10W 220K-F			1	10-19
R 721	CP103P115A71	R-CARBON-CHIP	1/10W 270K-F			1	10-69
R 721	CP103P115A71	R-CARBON-CHIP	1/10W 270K-F			1	70-99
R 856	CP103P115A71	R-CARBON-CHIP	1/10W 270K-F			1	10-69
R 856	CP103P115A71	R-CARBON-CHIP	1/10W 270K-F			1	70-99
R 788	CP103P115A81	R-CARBON-CHIP	1/10W 330K-F			1	10-99
R 731	CP103P116A51	R-CARBON-CHIP	1/10W 6.2K-F			1	10-99
R 869	CP103P116A51	R-CARBON-CHIP	1/10W 6.2K-F			1	10-99
R 872	CP103P116A51	R-CARBON-CHIP	1/10W 6.2K-F			1	10-99
R 709	CP103P116A61	R-CARBON-CHIP	1/10W 51K-F			1	10-99
R 455	CP103P116A61	R-CARBON-CHIP	1/10W 51K-F			1	20-99
R 827	CP103P116A81	R-CARBON-CHIP	1/10W 910-F			1	10-69
R 827	CP103P116A81	R-CARBON-CHIP	1/10W 910-F			1	70-99
R 463	CP103P116A91	R-CARBON-CHIP	1/10W 75-F			1	10-69
R 463	CP103P116A91	R-CARBON-CHIP	1/10W 75-F			1	70-99
R 867	CP103P117A11	R-CARBON-CHIP	1/10W 9.1K-F			1	10-99
R 870	CP103P117A11	R-CARBON-CHIP	1/10W 9.1K-F			1	10-99
R 756	CP103P117A51	R-CARBON-CHIP	1/10W 2.0K-F			1	10-99
R 779	CP103P117A61	R-CARBON-CHIP	1/10W 7.5K-F			1	20-99
R 880	CP103P117A81	R-CARBON-CHIP	1/10W 30K-F			1	10-99

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION Q'TY

12

LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 407	CP103P117A81	R-CARBON-CHIP	1/10W 30K-F			1	10-99
R 314	CP103P117A91	R-CARBON-CHIP	1/10W 110-F			1	10-69
R 314	CP103P117A91	R-CARBON-CHIP	1/10W 110-F			1	70-99
R 318	CP103P117A91	R-CARBON-CHIP	1/10W 110-F			1	10-69
R 318	CP103P117A91	R-CARBON-CHIP	1/10W 110-F			1	70-99
R 322	CP103P117A91	R-CARBON-CHIP	1/10W 110-F			1	10-69
R 322	CP103P117A91	R-CARBON-CHIP	1/10W 110-F			1	70-99
R 218	CP103P118A11	R-CARBON-CHIP	1/10W 2.4K-F			1	10-99
R 888	CP103P118A21	R-CARBON-CHIP	1/10W 13K-F			1	10-99
R 889	CP103P118A21	R-CARBON-CHIP	1/10W 13K-F			1	10-99
R 729	CP103P118A31	R-CARBON-CHIP	1/10W 3.0K-F			1	10-99
R 457	CP103P118A31	R-CARBON-CHIP	1/10W 3.0K-F			1	10-19
R 824	CP103P144A31	R-METAL-CHIP	1/8W 560-F	3.2X1.6		1	10-69
R 824	CP103P144A31	R-METAL-CHIP	1/8W 560-F	3.2X1.6		1	70-99
R 249	CP103P144A91	R-METAL-CHIP	1/8W 1.0K-F	3.2X1.6		1	10-99
R 250	CP103P144A91	R-METAL-CHIP	1/8W 1.0K-F	3.2X1.6		1	10-99
R 286	CP103P144A91	R-METAL-CHIP	1/8W 1.0K-F	3.2X1.6		1	10-99
R 288	CP103P144A91	R-METAL-CHIP	1/8W 1.0K-F	3.2X1.6		1	10-99
R 6A7	CP103P280A41	R-METAL	1/4W 4.7M-J			1	10-19
R 6A8	CP103P280A41	R-METAL	1/4W 4.7M-J			1	10-19
R 414	CP103P310A71	R-METAL	1W 33-J RHU			1	10-99
R 211	CP103P312A21	R-METAL	1W 560-J RHU			1	10-99
R 224	CP103P312A21	R-METAL	1W 560-J RHU			1	10-99
R 232	CP103P312A21	R-METAL	1W 560-J RHU			1	10-99
R 6F0	CP103P312A81	R-METAL	1W 1.8K-J RHU			1	20-99
R 6E0	CP103P314A41	R-METAL	1W 39K-J RHU			1	10-69
R 6E0	CP103P314A41	R-METAL	1W 39K-J RHU			1	70-99
R 555	CP103P314A91	R-METAL	1W 100K-J RHU			1	10-99
R 391	CP103P318A41	R-METAL	1W 2.2-J RHU			1	20-99
R 391	CP103P318A61	R-METAL	1W 3.3-J RHU			1	10-19
R 954	CP103P320A11	R-METAL	2W 10-J RHU			1	10-69
R 954	CP103P320A11	R-METAL	2W 10-J RHU			1	70-99
R 552	CP103P320A91	R-METAL	2W 47-J RHU			1	10-69
R 552	CP103P320A91	R-METAL	2W 47-J RHU			1	70-99
R 902	CP103P322A01	R-METAL	2W 390-J RHU			1	10-69
R 902	CP103P322A01	R-METAL	2W 390-J RHU			1	70-99
R 925	CP103P322A01	R-METAL	2W 390-J RHU			1	10-69
R 925	CP103P322A01	R-METAL	2W 390-J RHU			1	70-99
R 545	CP103P324A71	R-METAL	2W 68K-J RHU			1	10-99
R 960	CP103P324A71	R-METAL	2W 68K-J RHU			1	10-99
R 959	CP103P324A91	R-METAL	2W 100K-J RHU			1	10-19
R 959	CP103P324A91	R-METAL	2W 100K-J RHU			1	21-29
R 959	CP103P324A91	R-METAL	2W 100K-J RHU			1	31-39
R 959	CP103P324A91	R-METAL	2W 100K-J RHU			1	41-49
R 601	CP103P327A21	R-METAL	2W 0.22-J RHU			1	10-69
R 601	CP103P327A21	R-METAL	2W 0.22-J RHU			1	70-99
R 544	CP103P327A61	R-METAL	2W 0.47-J RHU			1	10-99
R 420	CP103P328A11	R-METAL	2W 1.2-J RHU			1	10-99
R 991	CP103P328A81	R-METAL	2W 4.7-J RHU			1	10-99
R 512	CP103P330A51	R-METAL	3W 22-J RHU			1	10-69
R 512	CP103P330A51	R-METAL	3W 22-J RHU			1	70-99
R 5P1	CP103P330A61	R-METAL	3W 27-J RHU			1	79-84

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION Q'TY

13

LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格1	規格2	材料証明	乗数	ロット
R 947	CP103P331A01	R-METAL	3W 56-J RHU			1	10-99
R 408	CP103P331A31	R-METAL	3W 100-J RHU			1	10-99
R 423	CP103P331A31	R-METAL	3W 100-J RHU			1	10-99
R 513	CP103P331A41	R-METAL	3W 120-J RHU			1	10-99
R 514	CP103P331A51	R-METAL	3W 150-J RHU			1	10-99
R 923	CP103P334A31	R-METAL	3W 33K-J RHU			1	10-99
R 924	CP103P334A31	R-METAL	3W 33K-J RHU			1	10-99
R 5B7	CP103P338A01	R-METAL	3W 1-J RHU			1	10-99
R 509	CP103P338A41	R-METAL	3W 2.2-J RHU			1	10-99
R 551	CP103P338A91	R-METAL	3W 5.6-J RHU			1	10-69
R 551	CP103P338A91	R-METAL	3W 5.6-J RHU			1	70-99
R 6E3	CP103P340A41	R-METAL	1W 100K-J			1	10-99
R 6E4	CP103P340A41	R-METAL	1W 100K-J			1	10-99
R 6E5	CP103P340A41	R-METAL	1W 100K-J			1	10-99
R 6E6	CP103P340A41	R-METAL	1W 100K-J			1	10-99
R 6E8	CP103P340A41	R-METAL	1W 100K-J			1	10-99
R 6E7	CP103P340A61	R-METAL	1W 120K-J			1	10-99
R 510	CP103P360A51	R-METAL	1W 0.15-J			1	10-99
R 511	CP103P360A51	R-METAL	1W 0.15-J			1	10-99
R 907	CP103P420A50	R-CEMENT	5W 0.22-J			1	10-69
R 907	CP103P420A50	R-CEMENT	5W 0.22-J			1	70-99
R 602	CP103P451A10	R-METAL	7W 24-J DH			1	10-69
R 602	CP103P451A10	R-METAL	7W 24-J DH			1	70-99
R 603	CP103P451A10	R-METAL	7W 24-J DH			1	10-69
R 603	CP103P451A10	R-METAL	7W 24-J DH			1	70-99
R 212	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	10-19
R 212	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	21-29
R 212	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	31-39
R 212	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	41-49
R 213	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	10-19
R 213	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	21-29
R 213	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	31-39
R 213	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	41-49
R 214	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	10-19
R 214	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	21-29
R 214	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	31-39
R 214	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	41-49
R 358	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	10-19
R 358	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	21-29
R 358	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	31-39
R 358	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	41-49
R 359	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	10-19
R 359	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	21-29
R 359	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	31-39
R 359	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	41-49
R 360	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	10-19
R 360	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	21-29
R 360	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	31-39
R 360	CP103P482A41	R-METAL-CHIP	1/4W 75-F			1	41-49
R 287	CP103P482A51	R-METAL-CHIP	1/4W 82-F			1	10-19
R 289	CP103P482A51	R-METAL-CHIP	1/4W 82-F			1	10-19
R 781	CP103P510A11	R-METAL-CHIP	1/8W 2.2-J	3.2X1.6		1	10-99

機種コード＝ 2A-19W4- - -　機種名＝ TFW9105K

NO. 部元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格 1	規格 2	材料証明	QTY 乗数	LOT NO. ロット
787	CP103P510A11	R-METAL-CHIP	1/8W 2.2-J	3.2X1.6		1	10-19
795	CP103P510A11	R-METAL-CHIP	1/8W 2.2-J	3.2X1.6		1	10-99
412	CP103P510A11	R-METAL-CHIP	1/8W 2.2-J	3.2X1.6		1	10-99
413	CP103P510A11	R-METAL-CHIP	1/8W 2.2-J	3.2X1.6		1	10-99
826	CP103P510A61	R-METAL-CHIP	1/8W 15-J	3.2X1.6		1	10-99
837	CP103P510A61	R-METAL-CHIP	1/8W 15-J	3.2X1.6		1	10-99
838	CP103P510A61	R-METAL-CHIP	1/8W 15-J	3.2X1.6		1	10-99
928	CP109D003A70	R-CEMENT-WIRE	5W 0.27-K			1	10-69
928	CP109D003A70	R-CEMENT-WIRE	5W 0.27-K			1	70-99
929	CP109D003A70	R-CEMENT-WIRE	5W 0.27-K			1	10-69
929	CP109D003A70	R-CEMENT-WIRE	5W 0.27-K			1	70-99
918	CP109D009A10	R-CEMENT-WIRE	5W 10-J			1	10-99
610	CP109P017A51	R-FUSE	1/4W 0.22-J	RF25S R2		1	10-99
922	CP109P132A10	R-CEMENT-FUSE	5W 10ｵ-ム-J	ERU5TEJ1		1	10-50
922	CP109P132A10	R-CEMENT-FUSE	5W 10ｵ-ム-J	ERU5TEJ1		1	51-99
6E9	CP109P155A70	R-METAL-FUSE	1/2W 3.9K-J			1	20-99
R 700	CP127C001A10	VR-SEMIFIXED	1/10W B-100			1	10-50
R 700	CP127C001A10	VR-SEMIFIXED	1/10W B-100			1	51-99
R400	CP127C021A80	VR-SEMIFIXED	1/5W B-5K			1	10-99
R5F1	CP129P010A81	VR-SEMIFIXED	1/2W B-1K	PΘM6ME-R (DH)		1	10-69
R5F1	CP129P010A81	VR-SEMIFIXED	1/2W B-1K	PΘM6ME-R (DH)		1	70-99
R6A1	CP129P011A11	VR-SEMIFIXED	1/2W B-5K	PΘM6ME-R (DH)		1	10-19
R601	CP129P011A61	VR-SEMIFIXED	1/2W B-100K	PΘM6ME-R (DH)		1	10-69
R601	CP129P011A61	VR-SEMIFIXED	1/2W B-100K	PΘM6ME-R (DH)		1	70-99
762	CP141P510A51	C-CERAMIC-CHIP	B 50V 471-K	2.0X1.25		1	10-99
299	CP141P511A51	C-CERAMIC-CHIP	B 50V 332-K	2.0X1.25		1	10-99
100	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
104	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
128	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
130	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
136	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
700	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
701	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
703	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
706	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
715	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
736	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
738	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
739	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
740	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
742	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
751	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
752	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
761	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
771	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
776	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
779	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
787	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
788	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
789	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
790	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
791	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99

SYMBOL NO.	PART NO.	DESCRIPTION / SPECIFICATION				QTY	15	LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
C 792	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 793	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 794	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 795	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 797	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 798	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 799	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 800	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 804	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 859	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 208	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 211	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 213	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 216	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 220	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 222	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 224	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 228	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 229	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 230	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 235	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 236	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 240	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 243	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 245	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 247	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 250	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 251	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 255	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 256	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 257	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 263	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 323	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 325	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 420	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 424	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 433	CP141P511A71	C-CERAMIC-CHIP	B 50V 472-K 2.0X1.25			1	10-99
C 707	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-19
C 811	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 1X5	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 283	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 285	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 287	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 289	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 291	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 292	CP141P512A11	C-CERAMIC-CHIP	B 50V 103-K	2.0X1.25		1	10-99
C 121	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 129	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 133	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 763	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-19
C 765	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 772	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

指元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
C 785	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 796	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-19
C 212	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 223	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 232	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 244	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 252	CP141P515A01	C-CERAMIC-CHIP	B 25V 104-K	2.0X1.25		1	10-99
C 393	CP142P041A31	C-CERAMIC	B500V 1000P-K			1	20-59
C 394	CP142P041A31	C-CERAMIC	B500V 1000P-K			1	20-59
C 395	CP142P041A31	C-CERAMIC	B500V 1000P-K			1	20-59
C 393	CP142P041A31	C-CERAMIC	B500V 1000P-K			1	60-99
C 394	CP142P041A31	C-CERAMIC	B500V 1000P-K			1	60-99
C 395	CP142P041A31	C-CERAMIC	B500V 1000P-K			1	60-99
C 6E1	CP155P002A51	C-CERAMIC	SL2KV 15P-J			1	10-69
C 6E1	CP155P002A51	C-CERAMIC	SL2KV 15P-J			1	70-99
C 6E2	CP155P002A51	C-CERAMIC	SL2KV 15P-J			1	10-69
C 6E2	CP155P002A51	C-CERAMIC	SL2KV 15P-J			1	70-99
C 508	CP155P003A91	C-CERAMIC	SL2KV 220P-J			1	10-99
C 539	CP155P003A91	C-CERAMIC	SL2KV 220P-J			1	10-99
C 392	CP155P010A71	C-CERAMIC	B1KV 1000P-K			1	10-99
C 911	CP155P011A41	C-CERAMIC	B2KV 150P-K			1	10-69
C 911	CP155P011A41	C-CERAMIC	B2KV 150P-K			1	70-99
C 922	CP155P011A41	C-CERAMIC	B2KV 150P-K			1	10-69
C 922	CP155P011A41	C-CERAMIC	B2KV 150P-K			1	70-99
C 923	CP155P011A41	C-CERAMIC	B2KV 150P-K			1	10-69
C 923	CP155P011A41	C-CERAMIC	B2KV 150P-K			1	70-99
C 968	CP155P011A71	C-CERAMIC	B2KV 470P-K			1	10-69
C 968	CP155P011A71	C-CERAMIC	B2KV 470P-K			1	70-99
C 947	CP155P011A71	C-CERAMIC	B2KV 470P-K			1	10-69
C 947	CP155P011A71	C-CERAMIC	B2KV 470P-K			1	70-99
C 908	CP155P011A91	C-CERAMIC	B2KV 1000P-K			1	10-99
C 929	CP155P011A91	C-CERAMIC	B2KV 1000P-K			1	10-99
C 509	CP155P030B41	C-CERAMIC	R250V 3300P-K			1	10-99
C 540	CP155P030B41	C-CERAMIC	R250V 3300P-K			1	10-99
C 766	CP155P460A11	C-CERAMIC-CHIP	CH 50V 1000-G	3.2X1.6		1	10-99
C 768	CP155P460A11	C-CERAMIC-CHIP	CH 50V 1000-G	3.2X1.6		1	10-99
C 769	CP155P460A11	C-CERAMIC-CHIP	CH 50V 1000-G	3.2X1.6		1	10-99
C 778	CP155P460A11	C-CERAMIC-CHIP	CH 50V 1000-G	3.2X1.6		1	10-99
C 783	CP155P460A11	C-CERAMIC-CHIP	CH 50V 1000-G	3.2X1.6		1	10-99
C 801	CP155P462A11	C-CERAMIC-CHIP	CH 50V 180-G	2.0X1.25		1	10-99
C 802	CP155P462A11	C-CERAMIC-CHIP	CH 50V 180-G	2.0X1.25		1	10-99
C 816	CP155P531A81	C-CERAMIC-CHIP	SL 50V 27P-J			1	10-99
C 760	CP155P531A91	C-CERAMIC-CHIP	SL 50V 33P-J	2.0X1.25		1	10-99
C 137	CP155P532A21	C-CERAMIC-CHIP	SL 50V 56P-J 2.0X1.2	5		1	10-99
C 803	CP155P532A21	C-CERAMIC-CHIP	SL 50V 56P-J 2.0X1.2	5		1	10-99
C 712	CP155P532A31	C-CERAMIC-CHIP	SL 50V 68P-J			1	10-99
C 126	CP155P532A51	C-CERAMIC-CHIP	SL 50V 100P-J 2.0X1.	25		1	10-99
C 815	CP155P532A51	C-CERAMIC-CHIP	SL 50V 100P-J 2.0X1.	25		1	10-99
C 784	CP155P533A61	C-CERAMIC-CHIP	SL50V 820P-J	2.0X1.25		1	10-99
C 201	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 202	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 204	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY

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LOT NO.

機種コード＝ 2A-19W4- - -　機種名＝ TFW9105K

部元	子部品コード	品　名	仕様規格 1	規格 2	材料証明	乗数	ロット
C 210	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 231	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 233	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 237	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 272	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 274	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 276	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 278	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 280	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 295	CP155P533A71	C-CERAMIC-CHIP	SL 50V 1000P-J	2.0X1.25		1	10-99
C 265	CP155P534A31	C-CERAMIC-CHIP	SL50V 3300P-J 3.2X1.			1	10-99
C 215	CP155P534A51	C-CERAMIC-CHIP	SL 50V 4700P-J 3.2X1	.6		1	10-99
C 750	CP155P541A51	C-CERAMIC-CHIP	CH 50V 15P-J	2.0X1.25		1	10-69
C 750	CP155P541A51	C-CERAMIC-CHIP	CH 50V 15P-J	2.0X1.25		1	70-99
C 123	CP155P541A81	C-CERAMIC-CHIP	CH 50V 27P-J	2.0X1.25		1	10-99
C 124	CP155P541A81	C-CERAMIC-CHIP	CH 50V 27P-J	2.0X1.25		1	10-99
C 314	CP155P541A81	C-CERAMIC-CHIP	CH 50V 27P-J	2.0X1.25		1	20-99
C 316	CP155P541A81	C-CERAMIC-CHIP	CH 50V 27P-J	2.0X1.25		1	20-99
C 318	CP155P541A81	C-CERAMIC-CHIP	CH 50V 27P-J	2.0X1.25		1	20-99
C 314	CP155P541A91	C-CERAMIC-CHIP	CH 50V 33P-J			1	10-19
C 316	CP155P541A91	C-CERAMIC-CHIP	CH 50V 33P-J			1	10-19
C 318	CP155P541A91	C-CERAMIC-CHIP	CH 50V 33P-J			1	10-19
C 807	CP155P542A11	C-CERAMIC-CHIP	CH 50V 47P-J	2.0X1.25		1	10-99
C 808	CP155P542A51	C-CERAMIC-CHIP	CH 50V 100P-J	2.0X1.25		1	10-99
C 759	CP155P542A71	C-CERAMIC-CHIP	CH50V 150P-J 2.0X1.2			1	10-99
C 719	CP155P543A11	C-CERAMIC-CHIP	CH 50V 330P-J	2.0X1.25		1	10-99
C 725	CP155P543A11	C-CERAMIC-CHIP	CH 50V 330P-J	2.0X1.25		1	10-99
C 749	CP155P543A11	C-CERAMIC-CHIP	CH 50V 330P-J	2.0X1.25		1	10-99
C 708	CP155P543A31	C-CERAMIC-CHIP	CH50V 470P-J	2.0X1.25		1	10-99
C 729	CP155P543A31	C-CERAMIC-CHIP	CH50V 470P-J	2.0X1.25		1	10-99
C 770	CP155P543A31	C-CERAMIC-CHIP	CH50V 470P-J	2.0X1.25		1	10-99
C 764	CP155P543A41	C-CERAMIC-CHIP	CH50V 560P-J	3.2X16		1	10-99
C 758	CP155P543A91	C-CERAMIC-CHIP	CH 50V 1500P-J	3.2X1.6		1	10-99
C 786	CP155P544A01	C-CERAMIC-CHIP	CH 50V 1800P-J	3.2X1.6		1	10-99
C 315	CP155P548A41	C-CERAMIC-CHIP	CH 50V 30P-J	2.0X1.25		1	10-99
C 317	CP155P548A41	C-CERAMIC-CHIP	CH 50V 30P-J	2.0X1.25		1	10-99
C 319	CP155P548A41	C-CERAMIC-CHIP	CH 50V 30P-J	2.0X1.25		1	10-99
C 311	CP155P549A11	C-CERAMIC-CHIP	CH 50V 8P-D	2.0X1.25		1	10-69
C 311	CP155P549A11	C-CERAMIC-CHIP	CH 50V 8P-D	2.0X1.25		1	70-99
C 312	CP155P549A11	C-CERAMIC-CHIP	CH 50V 8P-D	2.0X1.25		1	10-69
C 312	CP155P549A11	C-CERAMIC-CHIP	CH 50V 8P-D	2.0X1.25		1	70-99
C 313	CP155P549A11	C-CERAMIC-CHIP	CH 50V 8P-D	2.0X1.25		1	10-69
C 313	CP155P549A11	C-CERAMIC-CHIP	CH 50V 8P-D	2.0X1.25		1	70-99
C 931	CP172P070A00	C-M-P	DC630V 0.01M-J			1	10-69
C 931	CP172P070A00	C-M-P	DC630V 0.01M-J			1	70-99
C 924	CP172P070A80	C-M-P	DC 630V 0.047M-J			1	10-99
C 940	CP172P070A80	C-M-P	DC 630V 0.047M-J			1	10-99
C 320	CP172P114A81	C-PΘLYESTER	DFZ 250VDC 0.1M-J			1	10-50
C 320	CP172P114A81	C-PΘLYESTER	DFZ 250VDC 0.1M-J			1	51-99
C 321	CP172P114A81	C-PΘLYESTER	DFZ 250VDC 0.1M-J			1	10-50
C 321	CP172P114A81	C-PΘLYESTER	DFZ 250VDC 0.1M-J			1	51-99
C 322	CP172P114A81	C-PΘLYESTER	DFZ 250VDC 0.1M-J			1	10-50

NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード＝ 2A-19W4- - - 機種名 TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	員数	ロット
C 322	CP172P114A81	C-POLYESTER	DFZ 250VDC 0.1M-J			1	51-99
C 504	CP172P130A71	C-POLYESTER	50V 0.01M-K-OR-J	103 SO		1	10-99
C 536	CP172P130A71	C-POLYESTER	50V 0.01M-K-OR-J	103 SO		1	10-99
C 6A1	CP172P130A71	C-POLYESTER	50V 0.01M-K-OR-J	103 SO		1	10-19
C 6R1	CP172P130A71	C-POLYESTER	50V 0.01M-K-OR-J	103 SO		1	10-99
C 6R2	CP172P130A71	C-POLYESTER	50V 0.01M-K-OR-J	103 SO		1	10-99
C 6R3	CP172P130A71	C-POLYESTER	50V 0.01M-K-OR-J	103 SO		1	10-19
C 5A3	CP172P134A31	C-POLYESTER	50V 0.1M-K-OR-J	104 SO		1	10-99
C 5A5	CP172P134A31	C-POLYESTER	50V 0.1M-K-OR-J	104 SO		1	10-99
C 505	CP172P134A31	C-POLYESTER	50V 0.1M-K-OR-J	104 SO		1	10-99
C 944	CP172P134A31	C-POLYESTER	50V 0.1M-K-OR-J	104 SO		1	10-99
C 984	CP172P134A31	C-POLYESTER	50V 0.1M-K-OR-J	104 SO		1	10-99
C 756	CP172P135A71	C-POLYESTER	50V 0.012M-K-OR-J	123 SO		1	10-99
C 925	CP172P137A31	C-POLYESTER		102 SO		1	10-99
C 926	CP172P137A31	C-POLYESTER		102 SO		1	10-99
C 933	CP172P137A31	C-POLYESTER		102 SO		1	10-99
C 5A4	CP172P137A51	C-POLYESTER	50V 1500P-J 152 SO			1	10-99
C 910	CP172P137A71	C-POLYESTER		222 SO		1	10-69
C 910	CP172P137A71	C-POLYESTER		222 SO		1	70-99
C 912	CP172P137A91	C-POLYESTER		332 SO		1	10-69
C 912	CP172P137A91	C-POLYESTER		332 SO		1	70-99
C 503	CP172P138A11	C-POLYESTER	50V 4700P-J	472 SO		1	10-99
C 6P1	CP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 6R7	CP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 6R8	OP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 914	CP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 932	CP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 704	CP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 709	CP172P138A51	C-POLYESTER	50V 0.01M-J	103 SO		1	10-99
C 813	CP172P138A71	C-POLYESTER	50V 0.015M-J	153 SO		1	10-19
C 913	CP172P138A91	C-POLYESTER		223 SO		1	10-99
C 813	CP172P139A01	C-POLYESTER		273 SO		1	20-69
C 813	CP172P139A01	C-POLYESTER		273 SO		1	70-99
C 941	CP172P139A31	C-POLYESTER	50V 0.047M-J	473 SO		1	10-99
C 727	CP172P139A31	C-POLYESTER	50V 0.047M-J	473 SO		1	10-99
C 720	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	10-50
C 720	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	51-99
C 239	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	10-50
C 239	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	51-99
C 241	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	10-50
C 241	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	51-99
C 249	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	10-50
C 249	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	51-99
C 404	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	10-50
C 404	CP172P161A71	C-POLYESTER	50V 0.22M-J	224 LO		1	51-99
C 127	CP172P162A11	C-POLYESTER	50V 0.47M-J	474 LO		1	10-99
C 402	CP172P162A31	C-POLYESTER	50V 0.68M-J	684 LO		1	10-50
C 402	CP172P162A31	C-POLYESTER	50V 0.68M-J	684 LO		1	51-99
C 414	CP172P162A51	C-POLYESTER	50V 1.0M-J	105 LO		1	10-50
C 414	CP172P162A51	C-POLYESTER	50V 1.0M-J	105 LO		1	51-69
C 731	CP172P166A31	C-POLYESTER	50V 0.1M-M			1	10-99
C 755	CP172P166A31	C-POLYESTER	50V 0.1M-M			1	10-99

ALL PARTS LIST

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機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格 1	規格 2	材料証明	QTY 乗数	LOT NO. ロット
C 214	CP172P166A31	C-POLYESTER	50V 0.1M-M			1	10-99
C 5A1	CP172P170A51	C-PLASTIC-PP	50V 2200P-J	222SO		1	10-69
C 5A1	CP172P170A51	C-PLASTIC-PP	50V 2200P-J	222SO		1	70-99
C 534	CP172P201A11	C-M-POLYESTER	ECO-E2104JF			1	10-69
C 534	CP172P201A11	C-M-POLYESTER	ECO-E2104JF			1	70-99
C 537	CP172P201A11	C-M-POLYESTER	ECO-E2104JF			1	10-69
C 537	CP172P201A11	C-M-POLYESTER	ECO-E2104JF			1	70-99
C 526	CP172P310A11	C-M-PP	ECWF 250V 683RJB			1	10-69
C 526	CP172P310A11	C-M-PP	ECWF 250V 683RJB			1	70-99
C 525	CP172P310A71	C-M-PP	ECWF 250V 124RJB			1	10-69
C 525	CP172P310A71	C-M-PP	ECWF 250V 124RJB			1	70-99
C 518	CP172P311A31	C-M-PP	ECWF 250V 224RJB			1	10-19
C 519	CP172P311A31	C-M-PP	ECWF 250V 224RJB			1	10-19
C 524	CP172P311A51	C-M-PP	ECWF 250V 274RJB			1	10-69
C 524	CP172P311A51	C-M-PP	ECWF 250V 274RJB			1	70-99
C 523	CP172P312A11	C-M-PP	ECWF 250V 474RJB			1	10-69
C 523	CP172P312A11	C-M-PP	ECWF 250V 474RJB			1	70-99
C 522	CP172P312A91	C-M-PP	ECWF 250V 105RJB			1	10-69
C 522	CP172P312A91	C-M-PP	ECWF 250V 105RJB			1	70-99
C 520	CP172P318A60	C-M-PP	ECWF 250V 205JBB			1	10-69
C 520	CP172P318A60	C-M-PP	ECWF 250V 205JBB			1	70-99
C 518	CP172P321A31	C-M-PP	ECWF 400V 224			1	20-69
C 518	CP172P321A31	C-M-PP	ECWF 400V 224			1	70-99
C 519	CP172P321A31	C-M-PP	ECWF 400V 224			1	20-69
C 519	CP172P321A31	C-M-PP	ECWF 400V 224			1	70-99
C 601	CP172P340A11	C-M-PP	ECWH 16102RJZ OR JZR			1	10-19
C 6E3	CP172P342A11	C-M-PP	ECWH 16562 RJZ OR JZ			1	10-19
C 510	CP172P380A10	C-M-PLASTIC-PP	1800V 2200P-J			1	10-69
C 510	CP172P380A10	C-M-PLASTIC-PP	1800V 2200P-J			1	70-99
C 511	CP172P380A10	C-M-PLASTIC-PP	1800V 2200P-J			1	10-69
C 511	CP172P380A10	C-M-PLASTIC-PP	1800V 2200P-J			1	70-99
C 601	CP172P390A11	C-M-PP	ECWH 16102RJV OR JVR			1	20-99
C 6E3	CP172P392A11	C-M-PP	ECWH 16562RJV OR JVR			1	20-99
C 426	CP172P400A41	C-POLYESTER	50V 0.1M-J			1	10-69
C 428	CP172P400A61	C-POLYESTER	50V 0.15M-J			1	10-69
C 425	CP172P401A21	C-POLYESTER	50V 0.39M-J			1	10-69
C 428	CP172P401A21	C-POLYESTER	50V 0.39M-J			1	70-99
C 435	CP172P401A21	C-POLYESTER	50V 0.39M-J			1	70-99
C 6RO	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	10-69
C 6RO	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	70-99
C 6R4	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	10-69
C 6R4	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	70-99
C 6R9	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	10-69
C 6R9	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	70-99
C 435	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	10-69
C 437	CP172P401A31	C-POLYESTER	50V 0.47M-J			1	70-99
C 426	CP172P401A51	C-POLYESTER	50V 0.68M-J			1	70-99
C 437	CP172P401A51	C-POLYESTER	50V 0.68M-J			1	10-69
C 421	CP172P401A61	C-POLYESTER	50V 0.82M-J			1	10-69
C 434	CP172P401A61	C-POLYESTER	50V 0.82M-J			1	70-99
C 432	CP172P401A61	C-POLYESTER	50V 0.82M-J			1	10-69
C 432	CP172P401A61	C-POLYESTER	50V 0.82M-J			1	70-99

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY 20 LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
C 425	CP172P401A71	C-POLYESTER	50V 1.0M-J			1	70-99
C 429	CP172P401A71	C-POLYESTER	50V 1.0M-J			1	10-69
C 430	CP172P401A71	C-POLYESTER	50V 1.0M-J			1	10-69
C 430	CP172P401A71	C-POLYESTER	50V 1.0M-J			1	70-99
C 439	CP172P401A71	C-POLYESTER	50V 1.0M-J			1	10-69
C 439	CP172P401A71	C-POLYESTER	50V 1.0M-J			1	70-99
C 423	CP172P401A81	C-POLYESTER	50V 1.2M-J			1	10-69
C 434	CP172P401A81	C-POLYESTER	50V 1.2M-J			1	10-69
C 423	CP172P401A91	C-POLYESTER	50V 1.5M-J			1	70-99
C 440	CP172P401A91	C-POLYESTER	50V 1.5M-J			1	10-99
C 421	CP172P402A11	C-POLYESTER	50V 1.8M-J			1	70-99
C 431	CP172P402A21	C-POLYESTER	50V 2.2M-J			1	10-99
C 441	CP172P402A21	C-POLYESTER	50V 2.2M-J			1	10-99
C 969	CP172P410A71	C-M-P	250V 0.033M-J			1	10-99
C 927	CP172P422A30	C-M-P	400V 0.47M-J			1	10-69
C 927	CP172P422A30	C-M-P	400V 0.47M-J			1	70-99
C 928	CP172P422A30	C-M-P	400V 0.47M-J			1	10-69
C 928	CP172P422A30	C-M-P	400V 0.47M-J			1	70-99
C 611	CP181P030A21	C-ELECTROLYTIC	04W 25V 10M-M			1	10-99
C 741	CP181P030A21	C-ELECTROLYTIC	04W 25V 10M-M			1	10-19
C 6E6	CP181P030A31	C-ELECTROLYTIC	04W 25V 22M-M			1	10-99
C 6E7	CP181P030A31	C-ELECTROLYTIC	04W 25V 22M-M			1	10-99
C 711	CP181P030A31	C-ELECTROLYTIC	04W 25V 22M-M			1	10-99
C 713	CP181P030A31	C-ELECTROLYTIC	04W 25V 22M-M			1	10-99
C 814	CP181P030A31	C-ELECTROLYTIC	04W 25V 22M-M			1	10-99
C 741	CP181P030A41	C-ELECTROLYTIC	04W 25V 33M-M			1	20-99
C 608	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 612	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 983	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 138	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 139	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 205	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 207	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 217	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 219	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 225	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 227	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 238	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 246	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 282	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 284	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 286	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 288	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 293	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 324	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-19
C 328	CP181P030A51	C-ELECTROLYTIC	04W 25V 47M-M			1	10-99
C 6A2	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-19
C 6A3	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-19
C 6E5	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 6E9	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 607	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 101	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION Q'TY

21

LOT NO.

機種コード = 2A-19W4- - - 機種名 = TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
C 125	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 131	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 705	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 714	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 716	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 722	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 730	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 732	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 733	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 734	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 735	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 748	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 753	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 757	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 773	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-19
C 780	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 812	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 234	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 260	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 262	CP181P030A61	C-ELECTROLYTIC	04W 25V 100M-M			1	10-99
C 5A6	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 5A7	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 5P1	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	30-30
C 5P1	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	51-99
C 921	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 966	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 967	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 773	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	20-99
C 294	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 329	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 400	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-19
C 400	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	21-29
C 400	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	31-39
C 400	CP181P030A71	C-ELECTROLYTIC	04W 25V 220M-M			1	41-49
C 775	CP181P030A91	C-ELECTROLYTIC	04W 25V 470M-M			1	10-99
C 782	CP181P030A91	C-ELECTROLYTIC	04W 25V 470M-M			1	10-99
C 501	CP181P031A01	C-ELECTROLYTIC	04W 25V 1000M-M			1	10-99
C 961	CP181P031A01	C-ELECTROLYTIC	04W 25V 1000M-M			1	10-99
C 962	CP181P031A01	C-ELECTROLYTIC	04W 25V 1000M-M			1	10-99
C 954	CP181P031A30	C-ELECTROLYTIC	04W 25V 4700M-M			1	10-99
C 955	CP181P031A30	C-ELECTROLYTIC	04W 25V 4700M-M			1	10-99
C 1X6	CP181P031A61	C-ELECTROLYTIC	04W 50V 0.1M-M			1	10-99
C 1X7	CP181P031A61	C-ELECTROLYTIC	04W 50V 0.1M-M			1	10-99
C 1X8	CP181P031A61	C-ELECTROLYTIC	04W 50V 0.1M-M			1	10-99
C 1X9	CP181P031A61	C-ELECTROLYTIC	04W 50V 0.1M-M			1	10-99
C 718	CP181P031A91	C-ELECTROLYTIC	04W 50V 0.47M-M			1	10-99
C 107	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 108	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 109	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 110	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 111	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 113	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY 22 LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

指元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
C 114	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 115	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 116	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 117	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 118	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 119	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 120	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 122	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 132	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 723	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 724	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 726	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 728	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 200	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 203	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 209	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 221	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 324	CP181P032A01	C-ELECTROLYTIC	04W 50V 1M-M			1	20-99
C 606	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 754	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 774	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 781	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 206	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 218	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 226	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 248	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 253	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 254	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 258	CP181P032A11	C-ELECTROLYTIC	04W 50V 2.2M-M			1	10-99
C 710	CP181P032A31	C-ELECTROLYTIC	04W 50V 4.7M-M			1	10-99
C 721	CP181P032A31	C-ELECTROLYTIC	04W 50V 4.7M-M			1	10-99
C 767	CP181P032A31	C-ELECTROLYTIC	04W 50V 4.7M-M			1	10-99
C 604	CP181P032A41	C-ELECTROLYTIC	04W 50V 10M-M			1	10-99
C 605	CP181P032A41	C-ELECTROLYTIC	04W 50V 10M-M			1	10-99
C 702	CP181P032A41	C-ELECTROLYTIC	04W 50V 10M-M			1	10-99
C 737	CP181P032A41	C-ELECTROLYTIC	04W 50V 10M-M			1	10-99
C 810	CP181P032A41	C-ELECTROLYTIC	04W 50V 10M-M			1	10-99
C 438	CP181P032A41	C-ELECTROLYTIC	04W 50V 10M-M			1	10-99
C 6E8	CP181P032A71	C-ELECTROLYTIC	04W 50V 47M-M			1	10-99
C 610	CP181P032A71	C-ELECTROLYTIC	04W 50V 47M-M			1	10-99
C 744	CP181P032A71	C-ELECTROLYTIC	04W 50V 47M-M			1	10-99
C 747	CP181P032A71	C-ELECTROLYTIC	04W 50V 47M-M			1	10-99
C 777	CP181P032A71	C-ELECTROLYTIC	04W 50V 47M-M			1	10-99
C 930	CP181P032A81	C-ELECTROLYTIC	04W 50V 100M-M			1	10-99
C 745	CP181P032A81	C-ELECTROLYTIC	04W 50V 100M-M			1	10-99
C 953	CP181P033A21	C-ELECTROLYTIC	04W 50V 1000M-M			1	10-99
C 960	CP181P033A21	C-ELECTROLYTIC	04W 50V 1000M-M			1	10-99
C 609	CP181P034A61	C-ELECTROLYTIC	04W 100V 10M-M			1	10-99
C 301	CP181P034A91	C-ELECTROLYTIC	04W 100V 47M-M			1	10-99
C 959	CP181P035A01	C-ELECTROLYTIC	04W 100V 100M-M			1	10-69
C 959	CP181P035A01	C-ELECTROLYTIC	04W 100V 100M-M			1	70-99
C 6S1	CP181P035A11	C-ELECTROLYTIC	04W 100V 220M-M			1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY 23 LOT NO.

機種コード= 2A-19W4- - -   機種名= TFW9105K

記元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
C 952	CP181P035A30	C-ELECTROLYTIC	04W 100V 470M-M			1	10-99
C 943	CP181P040A11	C-ELECTROLYTIC	04W 25V 4.7M-M			1	10-99
C 409	CP181P040A71	C-ELECTROLYTIC	04W 25V 220M-M			1	10-99
C 406	CP181P041A01	C-ELECTROLYTIC	04W 25V 1000M-M			1	10-99
C 981	CP181P041A41	C-ELECTROLYTIC	04W 10V 2200M-M			1	10-99
C 915	CP181P042A01	C-ELECTROLYTIC	04W 50V 1M-M			1	10-99
C 401	CP181P042A91	C-ELECTROLYTIC	04W 50V 220M-M			1	10-99
C 916	CP181P043A01	C-ELECTROLYTIC	04W 50V 330M-M			1	10-99
C 302	CP181P044A31	C-ELECTROLYTIC	04W 100V 33M-M			1	10-78
C 302	CP181P044A31	C-ELECTROLYTIC	04W 100V 33M-M			1	79-99
C 303	CP181P044A31	C-ELECTROLYTIC	04W 100V 33M-M			1	10-78
C 303	CP181P044A31	C-ELECTROLYTIC	04W 100V 33M-M			1	79-99
C 304	CP181P044A31	C-ELECTROLYTIC	04W 100V 33M-M			1	10-78
C 304	CP181P044A31	C-ELECTROLYTIC	04W 100V 33M-M			1	79-99
C 541	CP181P047A01	C-ELECTROLYTIC	04W 200V 22M-M			1	20-69
C 541	CP181P047A01	C-ELECTROLYTIC	04W 200V 22M-M			1	70-99
C 542	CP181P047A21	C-ELECTROLYTIC	04W 200V 47M-M			1	20-99
C 535	CP181P047A50	C-ELECTROLYTIC	04W 200V 220M-M			1	10-99
C 305	CP181P047A81	C-ELECTROLYTIC	04W 250V 1M-M			1	10-99
C 306	CP181P047A81	C-ELECTROLYTIC	04W 250V 1M-M			1	10-99
C 307	CP181P047A81	C-ELECTROLYTIC	04W 250V 1M-M			1	10-99
C 542	CP181P048A01	C-ELECTROLYTIC	04W 250V 3.3M-M			1	10-19
C 300	CP181P048A01	C-ELECTROLYTIC	04W 250V 3.3M-M			1	10-99
C 541	CP181P048A30	C-ELECTROLYTIC	04W 250V 22M-M			1	10-19
C 533	CP181P048A70	C-ELECTROLYTIC	04W 250V 220M-M			1	10-99
C 951	CP181P048A70	C-ELECTROLYTIC	04W 250V 220M-M			1	10-99
C 6E4	CP181P049A21	C-ELE	04W 450V 4.7M-M			1	10-99
C 942	CP181P049A21	C-ELE	04W 450V 4.7M-M			1	10-99
C 5A2	CP181P049A71	C-ELECTROLYTIC	04W 16V 1000M-M			1	10-99
C 982	CP181P049A71	C-ELECTROLYTIC	04W 16V 1000M-M			1	10-99
C 400	CP181P049A71	C-ELECTROLYTIC	04W 16V 1000M-M			1	20-20
C 400	CP181P049A71	C-ELECTROLYTIC	04W 16V 1000M-M			1	30-30
C 400	CP181P049A71	C-ELECTROLYTIC	04W 16V 1000M-M			1	40-40
C 400	CP181P049A71	C-ELECTROLYTIC	04W 16V 1000M-M			1	50-99
C 506	CP181P067A00	C-ELECTROLYTIC	16V 4700M			1	10-99
C 405	CP181P094A81	C-ELECTROLYTIC	04W 50V 470 M-M			1	10-99
C 603	CP181P097A70	C-ELECTROLYTIC	04W 100V 220M-M			1	10-99
C 958	CP181P144A90	C-ELECTROLYTIC	04W 250V 220M-M			1	10-99
C 273	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	10-69
C 273	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	70-99
C 277	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	10-69
C 277	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	70-99
C 281	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	10-69
C 281	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	70-99
C 296	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	10-69
C 296	CP181P172A61	C-ELECTROLYTIC-	04 16V 47 M-M-NP			1	70-99
C 275	CP181P172A71	C-ELECTROLYTIC-	04 16V 100 M-M-NP			1	10-99
C 279	CP181P172A71	C-ELECTROLYTIC-	04 16V 100 M-M-NP			1	10-99
C 242	CP181P175A41	C-ELECTROLYTIC-	04 50V 0.47 M-M-NP			1	10-99
C 717	CP181P175A61	C-ELECTROLYTIC-	04 50V 2.2 M-M-NP			1	10-99
C 963	CP181P181A71	C-ELECTROLYTIC	04W 10V 1000 M M			1	10-99
C 964	CP181P181A71	C-ELECTROLYTIC	04W 10V 1000 M M			1	10-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード= 2A-19W4- - - 機種名 TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
C 956	CP181P181A81	C-ELECTROLYTIC	04W 10V 2200M-M			1	10-99
C 957	CP181P181A81	C-ELECTROLYTIC	04W 10V 2200M-M			1	10-99
C 909	CP181P224A30	C-ELE	250V 560M-M			1	10-69
C 909	CP181P224A30	C-ELE	250V 560M-M			1	70-99
C 920	CP181P224A30	C-ELE	250V 560M-M			1	10-69
C 920	CP181P224A30	C-ELE	250V 560M-M			1	70-99
C 266	CP181P505A31	C-ELE-NP	16V 33MF NP			1	10-99
C 267	CP181P505A31	C-ELE-NP	16V 33MF NP			1	10-99
C 901	CP189P043A30	C-M-POLYESTER-A	AC250V 0.47M-M			1	10-69
C 901	CP189P043A30	C-M-POLYESTER-A	AC250V 0.47M-M			1	70-99
C 919	CP189P043A30	C-M-POLYESTER-A	AC250V 0.47M-M			1	10-69
C 919	CP189P043A30	C-M-POLYESTER-A	AC250V 0.47M-M			1	70-99
C 902	CP189P043A70	C-M-POLYESTER-A	AC250V 1.0M-M			1	10-69
C 902	CP189P043A70	C-M-POLYESTER-A	AC250V 1.0M-M			1	70-99
C 602	CP189P120A81	C-PLASTIC-PP	630V 0.0039MF-K	ECQ-F639		1	10-69
C 602	CP189P120A81	C-PLASTIC-PP	630V 0.0039MF-K	ECQ-F639		1	70-99
C 502	CP189P124A10	C-P-PP	100V 0.1ﾏｲｸﾛF-J			1	10-50
C 502	CP189P124A10	C-P-PP	100V 0.1ﾏｲｸﾛF-J			1	51-99
	CP210A183A10	PWB-MAIN	CP210P001		(MI)	1	10-99
	CP210A184A10	PWB-SET	CP210P001		(MI)	1	10-99
	CP210A185A10	PWB(SMD)-DISPLA	CP210P004		(MI)	1	10-99
	CP210D103A10	PWB-RELAY	CP210P002		(MI)	1	79-84
	CP210P003C30	PCB-CANCEL	PCB-CANCEL 12V 1.1K			1	30-80
	CP210P003C30	PCB-CANCEL	PCB-CANCEL 12V 1.1K			1	81-99
	CP223C010A50	INSULATOR				2	10-99
	CP223C010A60	INSULATOR	TC-45CG			1	10-69
	CP223C010A60	INSULATOR	TC-45CG			1	70-99
	CP223D045A20	INSULATOR	SILICON RUBBER	THN9105K	(MI)	1	10-69
	CP223D045A20	INSULATOR	SILICON RUBBER	THN9105K	(MI)	1	70-99
	CP223D052A10	INSULATOR	VSS-HT-200 T0.5	TFW9105K	(MI)	1	20-99
	CP246B124A40	LEAD-CONNECTOR	J304-J391	TFM8705K	(MI)	1	10-99
	CP246B126A20	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-73
	CP246B126A30	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-99
	CP246B126A50	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-99
	CP246B126A60	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-99
	CP246B126B10	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-99
	CP246B126B20	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	74-99
	CP246B126B40	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-99
	CP246B126B70	LEAD-CONNECTOR	UL1007 AWG22	TFW9105K	(MI)	1	10-99
	CP246B126B80	LEAD-CONNECTOR	UL1007 AWG22	TFW9105K	(MI)	1	10-99
	CP246B126B90	LEAD-CONNECTOR	UL1007 AWG22	TFW9105K	(MI)	1	10-99
	CP246B129A30	LEAD-CONNECTOR	UL1672 AWG22	TFW9105K	(MT)	1	10-99
	CP246B129A40	LEAD-CONNECTOR	UL1061 AWG26	TFW9105K	(MI)	1	10-99
	CP246B129A60	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-19
	CP246B129A80	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K		1	20-99
	CP246B129A90	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K		1	20-99
	CP246B129B10	LEAD-CONNECTOR	UL1672 AWG22	TFW9105K	(MT)	1	10-99
	CP246B129B20	LEAD-CONNECTOR	UL1672 AWG22	TFW9105K	(MT)	1	10-99
	CP246B129B50	LEAD-CONNECTOR	UL1061 AWG26	TFW9105K	(MI)	1	10-99
	CP246B129B60	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K		1	20-99
	CP246B129B70	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	10-19
J 5P2	CP246B132A10	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	79-84

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY 25 LOT NO.

機種コード = 2A-19W4- - -　機種名 = TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
J 5P4	CP246B132A20	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	79-84
	CP246B132A30	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	30-30
	CP246B132A30	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	51-99
	CP246B132A40	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	30-30
	CP246B132A40	LEAD-CONNECTOR	UL1007 AWG26	TFW9105K	(MI)	1	51-99
	CP246C256A50	TERMINAL-LEAD	PVC-UL UL1015	THZ8105K	(MI)	3	10-19
	CP246C303A30	FFC-CABLE	20P	TFW9105K		2	10-99
	CP246C304A20	TERMINAL-LEAD		THN9105K	(MT)	2	10-19
	CP246C304A60	TERMINAL-LEAD		THN9105K	(MT)	2	20-99
	CP246C304A60	TERMINAL-LEAD		THN9105K	(MT)	4	20-99
	CP246C339A10	LEAD-CONNECTOR	UL1032 AWG22	TFW9105K	(MI)	1	10-19
	CP246C342B10	LEAD-CONNECTOR-		TFW9105K	(MT)	1	10-99
	CP246C343A10	PIN-LEAD		TFW9105K	(MI)	1	50-59
	CP246C343A20	PIN-LEAD		TFW9105K	(MI)	1	60-99
AG5F1	CP252P001A21	SURGE-ABSORBER	DSP-201M			1	10-99
AG601	CP252P001A21	SURGE-ABSORBER	DSP-201M			1	10-99
AG3B1	CP252P001B11	SURGE-ABSORBER	DSP-301N			1	10-99
AG3G1	CP252P001B11	SURGE-ABSORBER	DSP-301N			1	10-99
AG3R1	CP252P001B11	SURGE-ABSORBER	DSP-301N			1	10-99
AG6E1	CP252P005A21	SURGE-ABSORBER	AG15PC152FB-K2M			1	10-99
AG392	CP252P005A21	SURGE-ABSORBER	AG15PC152FB-K2M			1	10-99
Q 981	CP260P012A11	TRANSISTOR	2SA1020			1	10-99
Q 985	CP260P012A11	TRANSISTOR	2SA1020			1	10-99
Q 988	CP260P012A11	TRANSISTOR	2SA1020			1	10-99
Q 708	CP260P012A21	TRANSISTOR	2SA1020-Y			1	10-99
Q 714	CP260P012A21	TRANSISTOR	2SA1020-Y			1	10-99
Q 717	CP260P012A21	TRANSISTOR	2SA1020-Y			1	10-99
Q 602	CP260P029A10	TRANSISTOR	2SC3621			1	10-99
Q 401	CP260P029A10	TRANSISTOR	2SC3621			1	10-99
Q 707	CP260P040A21	TRANSISTOR	2SC2655-Y			1	10-99
Q 713	CP260P040A21	TRANSISTOR	2SC2655-Y			1	10-99
Q 715	CP260P040A21	TRANSISTOR	2SC2655-Y			1	10-99
Q 217	CP260P057A21	TRANSISTOR	2SC1815 BL GR Y			1	20-59
Q 6E3	CP260P057A21	TRANSISTOR	2SC1815 BL GR Y			1	10-99
Q 217	CP260P057A21	TRANSISTOR	2SC1815 BL GR Y			1	60-99
Q 700	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 703	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 709	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 722	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 728	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 729	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 730	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 212	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	10-99
Q 216	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 402	CP260P110A11	TRANSISTOR-CHIP	2SC2412K-R			1	20-99
Q 100	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 701	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 706	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 710	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 718	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 719	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 723	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
Q 213	CP260P114A11	TRANSISTOR-CHIP	2SA1037K-R			1	20-99
Q 200	CP260P119A11	TRANSISTOR	2SA1462-T2B,Y34			1	10-99
Q 203	CP260P119A11	TRANSISTOR	2SA1462-T2B,Y34			1	10-99
Q 207	CP260P119A11	TRANSISTOR	2SA1462-T2B,Y34			1	10-99
Q 6A1	CP260P130A11	TRANSISTOR	2SA1015			1	10-19
Q 6E4	CP260P130A11	TRANSISTOR	2SA1015			1	10-99
Q 5F1	CP260P138A11	TRANSISTOR	2SC 2240			1	10-99
Q 403	CP260P140A10	TRANSISTOR	2SA1408			1	10-99
Q 201	CP260P144A11	TRANSISTOR-CHIP	2SC3338AR02			1	10-99
Q 202	CP260P144A11	TRANSISTOR-CHIP	2SC3338AR02			1	10-99
Q 204	CP260P144A11	TRANSISTOR-CHIP	2SC3338AR02			1	10-99
Q 205	CP260P144A11	TRANSISTOR-CHIP	2SC3338AR02			1	10-99
Q 206	CP260P144A11	TRANSISTOR-CHIP	2SC3338AR02			1	10-99
Q 208	CP260P144A11	TRANSISTOR-CHIP	2SC3338AR02			1	10-99
Q 6A2	CP260P185A10	TRANSISTOR	2SC4632			1	10-19
Q 6E2	CP260P185A10	TRANSISTOR	2SC4632			1	10-99
Q 521	CP260P202A20	MOS-FET	2SJ307			1	10-99
Q 522	CP260P202A30	MOS-FET	2SJ307(FORMING)			1	10-69
Q 522	CP260P202A30	MOS-FET	2SJ307(FORMING)			1	70-99
Q 5F2	CP260P223A11	TRANSISTOR	2SC1473-R			1	10-99
Q 5F3	CP260P224A11	TRANSISTOR	2SA1018-R			1	10-99
Q 518	CP260P249A30	MOS-FET	IRFI640G(FORMING)			1	20-99
Q 6E1	CP260P250A10	TRANSISTOR	2SC4634			1	10-99
Q 726	CP260P259A11	TRANSISTOR	2SC2733HTR			1	10-99
Q 727	CP260P259A11	TRANSISTOR	2SC2733HTR			1	10-99
Q 209	CP260P259A11	TRANSISTOR	2SC2733HTR			1	10-99
Q 210	CP260P259A11	TRANSISTOR	2SC2733HTR			1	10-99
Q 211	CP260P259A11	TRANSISTOR	2SC2733HTR			1	10-99
Q 502	CP260P271A10	MOS-FET	2SJ380			1	10-69
Q 502	CP260P271A10	MOS-FET	2SJ380			1	70-99
Q 515	CP260P273A10	MOS-FET	2SK2098-01M			1	10-99
Q 516	CP260P273A10	MOS-FET	2SK2098-01M			1	10-99
Q 517	CP260P273A10	MOS-FET	2SK2098-01M			1	10-99
Q 503	CP260P282A30	TRANSISTOR	2SC5244A-FORMING			1	10-69
Q 503	CP260P282A30	TRANSISTOR	2SC5244A-FORMING			1	70-99
Q 5P1	CP260P304A11	TRANSISTOR	DTC114WSA			1	79-84
Q 508	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 509	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 510	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 511	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 512	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 513	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 903	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 982	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 983	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 986	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 987	CP260P304A11	TRANSISTOR	DTC114WSA			1	10-99
Q 711	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 712	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 720	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 724	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 733	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
Q 734	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 737	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 738	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 739	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 400	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 404	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 405	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 407	CP260P305A11	TRANSISTOR	DTC143TUA T107			1	20-99
Q 523	CP260P307A10	TRANSISTOR	2SD1073			1	10-99
Q 601	CP260P316A20	MOS-FET	2SK2675-FORMING			1	10-69
Q 601	CP260P316A20	MOS-FET	2SK2675-FORMING			1	70-99
Q 501	CP260P323A10	MOS-FET	2SJ377			1	10-69
Q 501	CP260P323A10	MOS-FET	2SJ377			1	70-99
Q 504	CP260P325A10	MOS-FET	2SK2292			1	10-69
Q 504	CP260P325A10	MOS-FET	2SK2292			1	70-99
Q 505	CP260P325A10	MOS-FET	2SK2292			1	10-69
Q 505	CP260P325A10	MOS-FET	2SK2292			1	70-99
Q 518	CP260P326A20	MOS-FET	2SK2520-FORMING			1	10-19
Q 519	CP260P326A20	MOS-FET	2SK2520-FORMING			1	10-69
Q 519	CP260P326A20	MOS-FET	2SK2520-FORMING			1	70-99
Q 520	CP260P326A20	MOS-FET	2SK2520-FORMING			1	10-69
Q 520	CP260P326A20	MOS-FET	2SK2520-FORMING			1	70-99
Q 731	CP260P327A11	MOS-FET	2SK1133			1	10-99
Q 732	CP260P327A11	MOS-FET	2SK1133			1	10-99
Q 735	CP260P327A11	MOS-FET	2SK1133			1	10-99
Q 736	CP260P327A11	MOS-FET	2SK1133			1	10-99
Q 100	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 701	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 706	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 710	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 718	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 719	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 723	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 728	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 729	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 730	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 213	CP260P330A11	TRANSISTER-CHIP	2SA1530			1	10-19
Q 700	CP260P331A11	TRANSISTER-CHIP	2SC3928			1	10-19
Q 703	CP260P331A11	TRANSISTER-CHIP	2SC3928			1	10-19
Q 709	CP260P331A11	TRANSISTER-CHIP	2SC3928			1	10-19
Q 722	CP260P331A11	TRANSISTER-CHIP	2SC3928			1	10-19
Q 216	CP260P331A11	TRANSISTER-CHIP	2SC3928			1	10-19
Q 402	CP260P331A11	TRANSISTER-CHIP	2SC3928			1	10-19
Q 711	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 712	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 720	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 724	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 733	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 734	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 737	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 738	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 739	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19

機種コード＝ 2A-19W4- - - 機種名 TFW9105K

指元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
Q 400	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 404	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 405	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
Q 407	CP260P332A11	TRANSISTER-CHIP	RT1N430M			1	10-19
IC400	CP263P037A20	IC	LA7838K	TFW9105K		1	10-69
IC400	CP263P037A20	IC	LA7838K	TFW9105K		1	70-99
IC711	CP263P078A10	IC-REGULATOR	AN7905F			1	10-99
IC953	CP263P079A10	IC-REGULATOR	AN7912F			1	10-99
IC5P1	CP263P084A10	IC-REGULATOR	AN7712F			1	30-30
IC5P1	CP263P084A10	IC-REGULATOR	AN7712F			1	51-99
IC952	CP263P084A10	IC-REGULATOR	AN7712F			1	10-99
IC714	CP263P086A10	IC	LA7860			1	10-99
IC403	CP263P101A11	IC-MOS-SOP	MC14051BF			1	10-99
IC404	CP263P101A11	IC-MOS-SOP	MC14051BF			1	10-99
IC405	CP263P101A11	IC-MOS-SOP	MC14051BF			1	10-99
IC200	CP263P107A10	IC-LINEAR	M52320SP			1	10-99
IC981	CP263P116A10	IC	AN7705F			1	10-99
IC5A2	CP263P120A10	IC	TDA2040-V			1	10-99
IC702	CP263P121A11	IC-LINEAR	NJM084M			1	10-99
IC706	CP263P126A10	IC-REGULATOR	AN7824F			1	10-99
IC716	CP263P128A11	IC-LINEAR	BA10324AF-T1			1	10-99
IC204	CP263P128A11	IC-LINEAR	BA10324AF-T1			1	10-99
IC205	CP263P129A11	IC-LINEAR	BA4558F-T1			1	10-99
IC700	CP263P130A11	IC-LINEAR	BA14741F-T1			1	10-99
IC705	CP263P130A11	IC-LINEAR	BA14741F-T1			1	10-99
IC710	CP263P130A11	IC-LINEAR	BA14741F-T1			1	10-99
IC715	CP263P131A11	IC-LINEAR	BA10393F-T1			1	10-99
IC203	CP263P153A10	IC	CXA2016S			1	10-69
IC203	CP263P153A10	IC	CXA2016S			1	70-99
IC107	CP263P174A11	IC-REGULATOR	AN1431M			1	10-69
IC107	CP263P174A11	IC-REGULATOR	AN1431M			1	70-99
IC206	CP263P177A10	IC-LINEAR	M52348SP			1	10-50
IC206	CP263P177A10	IC-LINEAR	M52348SP			1	51-99
IC5A1	CP263P510A10	IC-LINEAR	TL082CP			1	10-99
D 606	CP264D005A11	DIODE	EU-1Z/RGP10D			1	10-99
D 401	CP264D005A11	DIODE	EU-1Z/RGP10D			1	10-99
D 404	CP264D005A11	DIODE	EU-1Z/RGP10D			1	10-99
D 405	CP264D005A11	DIODE	EU-1Z/RGP10D			1	10-99
D 526	CP264P028A11	DIODE	EG01Y			1	10-99
D 505	CP264P058B20	DIODE	RG2A2-LF-B1			1	10-69
D 505	CP264P058B20	DIODE	RG2A2-LF-B1			1	70-99
D 506	CP264P058B20	DIODE	RG2A2-LF-B1			1	10-69
D 506	CP264P058B20	DIODE	RG2A2-LF-B1			1	70-99
D 507	CP264P058B20	DIODE	RG2A2-LF-B1			1	10-69
D 507	CP264P058B20	DIODE	RG2A2-LF-B1			1	70-99
D 508	CP264P058B20	DIODE	RG2A2-LF-B1			1	10-69
D 508	CP264P058B20	DIODE	RG2A2-LF-B1			1	70-99
D 9A1	CP264P064A20	LED	PY3822K-FORMING			1	10-99
D 541	CP264P073A41	DIODE	HZ5B3			1	10-99
D 542	CP264P073A41	DIODE	HZ5B3			1	10-99
D 543	CP264P073A41	DIODE	HZ5B3			1	10-99
D 607	CP264P075A11	DIODE	HZ7B2		(DH)	1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY 29 LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
D 905	CP264P080A61	DIODE	HZ11B3			1	10-99
D 954	CP264P115A10	DIODE	EGP30D	20MM		1	10-99
D 511	CP264P124A11	DIODE	EU2A			1	10-99
D 512	CP264P124A11	DIODE	EU2A			1	10-99
D 909	CP264P127A30	DIODE	R4KL-M1			1	10-69
D 909	CP264P127A30	DIODE	R4KL-M1			1	70-99
D 910	CP264P127A30	DIODE	R4KL-M1			1	10-69
D 910	CP264P127A30	DIODE	R4KL-M1			1	70-99
D 981	CP264P134A30	DIODE	RL4Z-K1			1	10-99
D 953	CP264P150A11	DIODE	RGP15D			1	10-99
D 520	CP264P151A11	DIODE	RGP15J-6040			1	10-99
D 521	CP264P151A11	DIODE	RGP15J-6040			1	10-99
D 522	CP264P151A11	DIODE	RGP15J-6040			1	10-99
D 523	CP264P154A11	DIODE	RGP10D			1	10-99
D 501	CP264P173A91	ZENER	HZS5CLL			1	10-99
D 317	CP264P180A71	DIODE-ZENER	HZS6C1L			1	20-99
D 737	CP264P180A71	DIODE-ZENER	HZS6C1L			1	10-99
D 503	CP264P182A81	DIODE-ZENER	HZS11A1L			1	10-99
D 515	CP264P182A81	DIODE-ZENER	HZS11A1L			1	10-99
D 517	CP264P182A81	DIODE-ZENER	HZS11A1L			1	10-99
D 518	CP264P182A81	DIODE-ZENER	HZS11A1L			1	10-99
D 608	CP264P182A81	DIODE-ZENER	HZS11A1L			1	10-99
D 513	CP264P185A11	DIODE-ZENER	HZS16-2L			1	10-99
D 514	CP264P185A11	DIODE-ZENER	HZS16-2L			1	10-99
D 602	CP264P222A10	DIODE	UF5408			1	10-99
D 907	CP264P222A10	DIODE	UF5408			1	10-99
D 911	CP264P223A11	DIODE	MPG06M			1	10-99
D 912	CP264P223A11	DIODE	MPG06M			1	10-99
D 605	CP264P228A11	DIODE	MPG06JG23			1	10-99
D 519	CP264P231A10	DIODE	S2L60			1	10-99
D 502	CP264P231A20	DIODE	S2L60-01P12.5	12.5MM		1	10-99
D 516	CP264P231A20	DIODE	S2L60-01P12.5	12.5MM		1	10-99
D 716	CP264P235A11	DIODE	HSK110-TR			1	10-99
D 5F1	CP264P250A21	DIODE	EGP10D STRAIGHT			1	10-99
D 6E3	CP264P250A21	DIODE	EGP10D STRAIGHT			1	10-99
D 509	CP264P251A10	DIODE	FMP-G5HS			1	10-99
D 6E1	CP264P258A10	DIODE	RG-1C			1	10-99
D 6E2	CP264P258A10	DIODE	RG-1C			1	10-99
D 100	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 101	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 102	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 109	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 110	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 111	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 112	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 113	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 114	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 115	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 116	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 117	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 118	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 119	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード＝ 2A-19W4- - - 機種名 TFW9105K

諸元	子部品コード	品　名	仕様規格 1	規格 2	材料証明	乗数	ロット
D 120	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 121	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 122	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 123	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 124	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 125	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 126	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 127	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 128	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 132	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 724	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 207	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 208	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 211	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 213	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 214	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 215	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 216	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 219	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 220	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 227	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 228	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 400	CP264P262A71	DIODE-ZENER-CHI	RLZ5.6B TE-11			1	10-99
D 702	CP264P263A61	DIODE-ZENER-CHI	RLZ7.5B TE-11			1	10-99
D 732	CP264P264A51	DIODE-ZENER-CHI	RLZ10B TE-11			1	10-99
D 103	CP264P265A41	DIODE-ZENER-CHI	RLZ13A TE-11			1	10-99
D 104	CP264P265A41	DIODE-ZENER-CHI	RLZ13A TE-11			1	10-99
D 105	CP264P265A41	DIODE-ZENER-CHI	RLZ13A TE-11			1	10-99
D 106	CP264P265A41	DIODE-ZENER-CHI	RLZ13A TE-11			1	10-99
D 107	CP264P265A41	DIODE-ZENER-CHI	RLZ13A TE-11			1	10-99
D 108	CP264P265A41	DIODE-ZENER-CHI	RLZ13A TE-11			1	10-99
D 129	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 130	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 131	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 701	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 703	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 706	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 718	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 723	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 725	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 726	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 727	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 728	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 729	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 730	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 731	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 733	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 736	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 738	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 739	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 740	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 741	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99

ALL PARTS LIST

SYMBOL NO. | PART NO. | DESCRIPTION / SPECIFICATION | QTY | LOT NO.

機種コード＝ 2A-19W4- - -　　機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
D 734	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 735	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 742	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 743	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 212	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 217	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 218	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 226	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 230	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 231	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 232	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 313	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 314	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 315	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 316	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 403	CP264P270A11	DIODE-CHIP	RLS-71 TE-11			1	10-99
D 987	CP264P301A81	DIODE	P6KA15A			1	10-99
D 300	CP264P320A11	DIODE	1SS244			1	10-99
D 301	CP264P320A11	DIODE	1SS244			1	10-99
D 302	CP264P320A11	DIODE	1SS244			1	10-99
D 303	CP264P320A11	DIODE	1SS244			1	10-99
D 304	CP264P320A11	DIODE	1SS244			1	10-99
D 305	CP264P320A11	DIODE	1SS244			1	10-99
D 306	CP264P320A11	DIODE	1SS244			1	10-99
D 307	CP264P320A11	DIODE	1SS244			1	10-99
D 308	CP264P320A11	DIODE	1SS244			1	10-99
D 309	CP264P320A11	DIODE	1SS244			1	10-99
D 310	CP264P320A11	DIODE	1SS244			1	10-99
D 311	CP264P320A11	DIODE	1SS244			1	10-99
D 955	CP264P328A11	DIODE	ERC25-06			1	10-69
D 955	CP264P328A11	DIODE	ERC25-06			1	70-99
D 601	CP264P340A10	DIODE	ERD36M-10			1	10-69
D 601	CP264P340A10	DIODE	ERD36M-10			1	70-99
D 951	CP264P340A10	DIODE	ERD36M-10			1	10-69
D 951	CP264P340A10	DIODE	ERD36M-10			1	70-99
D 952	CP264P340A10	DIODE	ERD36M-10			1	10-69
D 952	CP264P340A10	DIODE	ERD36M-10			1	70-99
D 603	CP264P341A41	DIODE	UF4004			1	10-99
D 604	CP264P341A41	DIODE	UF4004			1	10-99
D 510	CP264P341A51	DIODE	UF4005			1	10-99
D 903	CP264P342A11	DIODE	D1NL20U			1	10-69
D 903	CP264P342A11	DIODE	D1NL20U			1	70-99
D 904	CP264P342A11	DIODE	D1NL20U			1	10-69
D 904	CP264P342A11	DIODE	D1NL20U			1	70-99
D 931	CP264P342A11	DIODE	D1NL20U			1	10-69
D 931	CP264P342A11	DIODE	D1NL20U			1	70-99
D 913	CP264P342A11	DIODE	D1NL20U			1	10-69
D 913	CP264P342A11	DIODE	D1NL20U			1	70-99
D 914	CP264P342A11	DIODE	D1NL20U			1	10-69
D 914	CP264P342A11	DIODE	D1NL20U			1	70-99
D 902	CP264P343A10	DIODE	SF8L60			1	10-69
D 902	CP264P343A10	DIODE	SF8L60			1	70-99

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
D 908	CP264P343A10	DIODE	SF8L60			1	10-69
D 908	CP264P343A10	DIODE	SF8L60			1	70-99
D 956	CP264P345A20	DIODE	S3L20U 4004P20			1	10-69
D 956	CP264P345A20	DIODE	S3L20U 4004P20			1	70-99
D 957	CP264P345A20	DIODE	S3L20U 4004P20			1	10-69
D 957	CP264P345A20	DIODE	S3L20U 4004P20			1	70-99
D 200	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 201	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 203	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 204	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 205	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 209	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 223	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 224	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 225	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 229	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 312	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 402	CP264P360A11	DIODE-CHIP	DAN217 T147			1	10-99
D 527	CP264P362A10	DIODE-ZENER	AU01-07			1	10-69
D 527	CP264P362A10	DIODE-ZENER	AU01-07			1	70-99
D 504	CP264P522A30	DIODE	RL2Z LF-B1	15MM		1	10-69
D 504	CP264P522A30	DIODE	RL2Z LF-B1	15MM		1	70-99
RP901	CP265P069A10	POSISTOR	9オ-ム TDK/9オ-ム MURATA		(MI)	1	10-69
RP901	CP265P069A10	POSISTOR	9オ-ム TDK/9オ-ム MURATA		(MI)	1	70-99
RP902	CP265P069A10	POSISTOR	9オ-ム TDK/9オ-ム MURATA		(MI)	1	20-99
RV901	CP265P082A31	VARISTOR	ERZV10D471		(MI)	1	10-99
IC104	CP266P097A51	IC-MOS	MB88346BPF			1	10-99
IC712	CP266P121A21	IC-TTL	HD74LS14FP-TR			1	10-99
IC103	CP266P142A21	IC	MB3773PF-G-BND-TF			1	10-99
IC102	CP266P160A11	IC-MOS-SOP	CAT24C16JI			1	10-99
IC1X3	CP266P162A11	IC-MOS-SOP	ADM232LJR			1	10-99
IC106	CP266P182A11	IC-MOS-EEPROM	24LC21SN			1	10-99
IC202	CP266P190A10	IC-OSD	M35045-053SP			1	10-99
IC703	CP266P191A11	IC	CM0002AM			1	10-99
IC105	CP266P192A30	IC-MOS	HD6473294F16			1	10-69
IC105	CP266P192A30	IC-MOS	HD6473294F16			1	70-99
IC704	CP266P904A11	IC-MOS-CHIP	AD8842AR			1	10-99
IC701	CP267P051A10	IC	MB434116P-G			1	10-99
IC904	CP267P061A10	HIC	MJ2400			1	10-99
IC905	CP267P065A10	HIC	STR83145 FORMING			1	10-69
IC905	CP267P065A10	HIC	STR83145 FORMING			1	70-99
IC301	CP267P069A10	HIC	STK190-020			1	10-99
IC601	CP267P088A10	HIC	MSPAC003		(DH)	1	10-69
IC601	CP267P088A10	HIC	MSPAC003		(DH)	1	70-99
IC901	CP267P092A20	HIC	MA6930-4109			1	10-69
IC901	CP267P092A20	HIC	MA6930-4109			1	70-99
IC602	CP267P093A10	HIC	HIC H8P7300		(DH)	1	10-69
IC602	CP267P093A10	HIC	HIC H8P7300		(DH)	1	70-99
IC300	CP267P096A10	HIC	CR6927A			1	10-19
IC300	CP267P096A10	HIC	CR6927A			1	20-99
IC931	CP267P097A20	HIC	MA2810-4109			1	10-69
IC931	CP267P097A20	HIC	MA2810-4109			1	70-99

ALL PARTS LIST

機種コード＝ 2A-19W4- - -　　機種名＝ TFW9105K

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品 名	仕様規格1	規格2	材料証明	QTY 乗数	LOT NO. ロット
IC100	CP267P901A10	IC-ASIC	D1606A			1	10-99
IC902	CP268P009A10	PHOTO-COUPLER	MOC8104TV			1	10-69
IC902	CP268P009A10	PHOTO-COUPLER	MOC8104TV			1	70-99
IC903	CP268P009A10	PHOTO-COUPLER	MOC8104TV			1	10-69
IC903	CP268P009A10	PHOTO-COUPLER	MOC8104TV			1	70-99
IC906	CP268P009A10	PHOTO-COUPLER	MOC8104TV			1	10-69
IC906	CP268P009A10	PHOTO-COUPLER	MOC8104TV			1	70-99
IC713	CP270P026A31	IC LSTTL(E-SOP)	HD74LS221SOP/SN74LS			1	10-19
IC713	CP270P037A11	IC-TTL	DM74LS221MX			1	20-99
IC708	CP272P110A11	IC-FTTL	74F00SJ			1	10-99
IC707	CP272P112A11	IC-FTTL	74F74SJ			1	10-99
F 300	CP283P016A11	FUSE	251.500 500MA			1	10-99
F 981	CP283P016A81	FUSE	251004 4A			1	10-99
F 982	CP283P016A81	FUSE	251004 4A			1	10-99
F 951	CP283P016A91	FUSE	251005 5A			1	10-99
F 952	CP283P016A91	FUSE	251005 5A			1	10-99
F 953	CP283P016A91	FUSE	251005 5A			1	10-99
F 954	CP283P016A91	FUSE	251005 5A			1	10-99
F 955	CP283P016A91	FUSE	251005 5A			1	10-99
F 901	CP283P017A70	FUSE	215-T4.0AH 250V			1	10-99
X 100	0P285P008A10	CRYSTAL	HC49/U-S*16MHZ			1	10-99
RY901	CP287P021A20	RELAY	G2R-2A-SKVD DC12			1	10-99
RY5P1	CP287P028A10	RELAY	SY-12-K			1	79-84
	CP299D004A40	EARTH-CRT	C5191P-1/2H T0.3	THN9105K		4	10-99
L 602	CP321P030A71	COIL-RF	10MH-K	100 SO		1	10-99
L 6S1	CP321P031A21	COIL-RF	27MH-K			1	10-99
L 601	CP321P031A31	COIL-RF	33MH-K	330 SO		1	10-99
L 510	CP321P031A81	COIL-RF	82MH-K	820-SO		1	10-69
L 510	CP321P031A81	COIL-RF	82MH-K	820-SO		1	70-99
L 511	CP321P032A51	COIL-RF	330MH-K	331 SO		1	10-99
L 517	CP321P032A51	COIL-RF	330MH-K	331 SO		1	10-99
L 509	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 951	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 952	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 953	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 954	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 955	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 956	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 957	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 981	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 301	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 308	CP321P051A01	COIL-RF	100マイクロ-K			1	10-19
L 400	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 215	CP321P051A01	COIL-RF	100マイクロ-K			1	10-99
L 705	CP321P051A61	COIL-RF	1000M-K			1	10-50
L 705	CP321P051A61	COIL-RF	1000M-K			1	51-99
L 501	CP321P060A51	COIL-CHOKE	4.7MH-K 4R7 SO			1	10-99
L 502	CP321P082A11	COIL-RF	220マイクロH			1	10-99
L 506	CP321P110A10	COIL-RF	SM4L01-0.12MH		(MI)	1	10-69
L 506	CP321P110A10	COIL-RF	SM4L01-0.12MH		(MI)	1	70-99
L 903	CP321P130A10	TRANS-CHOKE	ZTS3103		(MI)	1	10-69
L 903	CP321P130A10	TRANS-CHOKE	ZTS3103		(MI)	1	70-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

指元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
L 514	CP321P156A30	COIL-CHOKE	SL2125-222KR87	2200マイクロ		1	10-69
L 514	CP321P156A30	COIL-CHOKE	SL2125-222KR87	2200マイクロ		1	70-99
T 502	CP332P022A10	TRANS-HORIZ-OSC	H.O.T		(MI)	1	10-99
L 508	CP333P033A10	COIL-HORIZ-LIN	COIL-HORIZ-LIN			1	10-19
L 508	CP333P033B10	COIL-HORIZ-LIN				1	20-99
T 601	CP334P053A10	TRANS-FLYBACK	MSU1FUS06		(MD)	1	10-19
T 601	CP334P053B10	TRANS-FLYBACK	MSU1FUS06		(MD)	1	20-99
T 501	CP336P016B10	H.D.T	H.D.T(T-DRIVE)		(MI)	1	10-99
T 503	CP349P012A10	TRANS-CURRENT	TME115		(MI)	1	10-99
T 901	CP350P064A10	TRANS-POWER	ZTS3102		(MI)	1	10-19
T 901	CP350P064B10	TRANS-POWER	ZTS3102		(MI)	1	20-99
T 931	CP350P065A10	TRANS-POWER	ZTS3132		(MI)	1	10-99
L 901	CP351P051A60	LINE-FILTER	3.0A 8.2ミリH		(MI)	1	10-99
L 902	CP351P051A60	LINE-FILTER	3.0A 8.2ミリH		(MI)	1	10-99
	CP409B023A10	COIL-DEGAUSSING		THW9105K	(MT)	1	10-19
	CP409B023A30	COIL-DEGAUSSING		TFW9105K	(MT)	1	20-99
	CP409C013A20	R-COIL		THN9105K	(MI)	1	10-99
	CP409C014A10	P-COIL		THN9105K	(MI)	1	10-19
	CP409C014B10	P-COIL		THN9105K	(MI)	1	20-50
	CP409C014C10	P-COIL		THN9105K	(MI)	1	51-99
L 5A1	CP409P069A10	TRANS-CHOKE			(MI)	1	10-99
	CP410D013A40	CORE-FERRITE				1	10-69
	CP410D013A40	CORE-FERRITE				1	70-99
	CP410P003A30	CORE-FERRITE	RISC-6-F		(MI)	1	10-99
L 503	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 504	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 505	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 512	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 513	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 515	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 516	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 6A1	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-19
L 6R1	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 6R2	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 6R3	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 6R4	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 6R5	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 6R6	CP410P010A11	BEAD-FERRITE	LFW7A-M3R2			1	10-99
L 507	CP410P011A11	BEAD-FERRITE	LFW7A-M5R2			1	10-99
L 6R7	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 6R8	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 603	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 700	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 701	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 702	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 703	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 704	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 300	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 302	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 303	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 304	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99
L 312	CP410P012B11	BEAD-FERRITE	FBR07HA850			1	10-99

ALL PARTS LIST

SYMBOL NO. | PART NO. | DESCRIPTION / SPECIFICATION | QTY | LOT NO.

機種コード = 2A-19W4- - -　　機種名 = TFW9105K

諸元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
L 313	CP410P012B11	BEAD-FERRITE	FBRO7HA850			1	10-99
L 314	CP410P012B11	BEAD-FERRITE	FBRO7HA850			1	10-99
L 315	CP410P012B11	BEAD-FERRITE	FBRO7HA850			1	10-99
L 3B1	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 3G1	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 3R1	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 305	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 306	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 307	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 309	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 310	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 311	CP410P012B41	BEAD-FERRITE	FBRO7UA850			1	10-99
L 100	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 1X1	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 200	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 201	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 202	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 203	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 204	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 205	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 206	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 207	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 208	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 209	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 210	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 211	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 212	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 213	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
L 214	CP410P040A11	FERRITE-CHIP	BLM21A121SPT			1	10-99
SW1F1	CP430P001A10	ROTALY-ENCODER	EC16B24104			1	10-19
SW1F1	CP430P001A10	ROTALY-ENCODER	EC16B24104			1	20-99
SW200	CP431C008A10	SW-SLIDE	ESD-14540			1	10-50
SW200	CP431C008A10	SW-SLIDE	ESD-14540			1	51-99
SW9A1	CP432P012A10	SWITCH-PUSH	ESB91632A			1	10-50
SW9A1	CP432P012A10	SWITCH-PUSH	ESB91632A			1	51-99
J 901	CP442P001A11	FUSE-CLIP	TP00351-51			1	10-99
J 902	CP442P001A11	FUSE-CLIP	TP00351-51			1	10-99
TP-XP	CP442P003A11	LUG-TERMINAL	TP00347-41			1	10-99
TP-SC	CP442P003A11	LUG-TERMINAL	TP00347-41			1	10-99
J 392	CP449P019A10	CRT-SOCKET			(MI)	1	10-69
J 392	CP449P019A10	CRT-SOCKET			(MI)	1	70-99
	CP450B001A20	CONNECTOR-SET				1	60-99
J 201	CP450C004A30	CONNECTOR	BNC-BR-3270-1			1	10-59
J 202	CP450C004A30	CONNECTOR	BNC-BR-3270-1			1	10-59
J 203	CP450C004A30	CONNECTOR	BNC-BR-3270-1			1	10-59
J 204	CP450C004A30	CONNECTOR	BNC-BR-3270-1			1	10-59
J 205	CP450C004A30	CONNECTOR	BNC-BR-3270-1			1	10-59
J 1F2	CP452C024A30	CONNECTOR-PH-S	S3B-PH-K-S			1	10-99
J 200	CP452C055A10	CONNECTOR-D-SUB	GMA-X15UGDFD4L1			1	10-99
J 100	CP452C060A10	CONNECTOR-MINI-	73145-A08	THN9105K		1	10-59
J 511	CP452C064A20	CONNECTOR-EH	B2B-EH		(MI)	1	10-69
J 511	CP452C064A20	CONNECTOR-EH	B2B-EH		(MI)	1	70-99

NO. PART NO. DESCRIPTION / SPECIFICATION Q'TY

LOT NO.

機種コード＝ 2A-19W4- - -　　機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
J 509	CP452C509A20	CONNECTOR	B2B-XH-A			1	10-99
J 514	CP452C509A20	CONNECTOR	B2B-XH-A			1	10-99
J 513	CP452C509A30	CONNECTOR	B3B-XH-A			1	10-99
J 301	CP452C509A31	CONNECTOR	B3B-XH-A(M)			1	10-19
J 302	CP452C509A31	CONNECTOR	B3B-XH-A(M)			1	10-19
J 303	CP452C509A31	CONNECTOR	B3B-XH-A(M)			1	10-19
AC	CP452D015A10	CONNECTOR-VH	B2P3-VH		(MT)	1	10-99
J 400	CP452D017A30	CONNECTOR	TN-50P-03-V1			1	10-99
J 505	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	10-69
J 505	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	70-99
J 506	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	10-69
J 506	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	70-99
J 101	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	10-69
J 101	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	70-99
J 102	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	10-69
J 102	CP452P181A20	CONNECTOR-FFC	20FE-BT-VK-N		(MI)	1	70-99
J 1F4	CP452P181A30	CONNECTOR-FFC	03FE-BT-VK-N		(MI)	1	10-69
J 1F4	CP452P181A30	CONNECTOR-FFC	03FE-BT-VK-N		(MI)	1	70-99
J 1F5	CP452P181A30	CONNECTOR-FFC	03FE-BT-VK-N		(MI)	1	10-69
J 1F5	CP452P181A30	CONNECTOR-FFC	03FE-BT-VK-N		(MI)	1	70-99
JTC01	CP452P184A50	CONNECTOR	12FMZ-ST			1	10-59
JTC01	CP452P184A50	CONNECTOR	12FMZ-ST			1	60-99
JTC02	CP452P185A50	CONNECTOR	12FMZ-BT			1	10-59
JTC03	CP452P185A50	CONNECTOR	12FMZ-BT			1	60-99
J 100	CP452P195A20	CONNECTOR-MINI-	MD-TS8330H-10		(MI)	1	60-99
	CP540C001A10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	1	10-99
	CP540C004A20	LEAD-CLAMPER	CKN-07	HG6905K		3	10-99
	CP540C004A30	LEAD-CLAMPER	CKN-10			8	20-99
	CP540C012A10	ANODE-CLAMPER	NYLON 6 NOVAMID R 10 13C5		(MI)	1	10-99
	CP540C021A10	CLAMPER-DG	NYLON6		(MI)	4	10-19
	CP540C023A10	LEAD-CLAMPER	EDS-17L	THZ8105S	(MI)	1	10-99
	CP540C025A10	LEAD-CLAMPER	KGES-10	THZ8105S	(MI)	2	10-99
	CP540C035A10	SPACER			(MI)	1	10-99
	CP540D004B10	BAND-KM	66 NYLON	XC-1412C	(MI)	1	20-99
	CP540D004B10	BAND-KM	66 NYLON	XC-1412C	(MI)	1	10-99
	CP540D004B10	BAND-KM	66 NYLON	XC-1412C	(MI)	2	20-60
	CP540D004B10	BAND-KM	66 NYLON	XC-1412C	(MI)	2	62-99
	CP540D004B10	BAND-KM	66 NYLON	XC-1412C	(MI)	5	10-99
	CP540D004B10	BAND-KM	66 NYLON	XC-1412C	(MI)	1	20-99
	CP540D007A30	LEAD-CLAMPER			(MI)	2	10-99
	CP540D010A10	CLAMPER	CLAMPER		(MI)	1	20-60
	CP540D010A10	CLAMPER	CLAMPER		(MI)	1	62-99
	CP540D011A10	LEAD-CLAMPER	NYLON 6		(MI)	1	61-61
	CP540D040A10	LEAD-CLAMPER	WS-2NS	THN9105K	(MI)	4	10-19
	CP540D040A10	LEAD-CLAMPER	WS-2NS	THN9105K	(MI)	3	20-99
	CP540D041A10	LEAD-CLAMPER	NYLON 66	THN9105K	(MI)	1	10-99
	CP540D049A10	LEAD-CLAMPER		TFW9105K	(MI)	2	10-99
	CP540D052A10	LEAD-CLAMPER		TFW9105K	(MI)	1	20-99
	CP549C004A10	CARD-SPACER			(MI)	2	10-99
	CP549D005A20	CARD-SPACER			(MI)	3	10-19
	CP549D005A20	CARD-SPACER			(MI)	2	20-99
	CP549D020A10	CARD-SPACER	NYLON66	KGPS-8RF	(MI)	2	10-19

ALL PARTS LIST

機種コード = 2A-19W4- - -   機種名 = TFW9105K

SYMBOL NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格1	規格2	材料証明	QTY 乗数	LOT NO. ロット
	CP549D020A60	CARD-SPACER		TFW9105K		2	10-99
	CP549D024A10	CARD-SPACER	NYLON66		(MI)	4	20-61
	CP549D024A10	CARD-SPACER	NYLON66		(MI)	4	62-80
	CP549D024A10	CARD-SPACER	NYLON66		(MI)	7	81-84
	CP549D024A10	CARD-SPACER	NYLON66		(MI)	4	85-99
	CP553D004A10	SPACER		TFW9105K	(MI)	1	20-99
	CP553D501A50	BUSH	ABS			1	20-99
	CP554D004A10	SPACER		THN9105K	(MI)	2	10-19
	CP554D004A20	SPACER		THN9105K	(MI)	1	20-60
	CP554D004A20	SPACER		THN9105K	(MI)	1	62-99
	CP554D004A20	SPACER		THN9105K	(MI)	5	20-60
	CP554D004A20	SPACER		THN9105K	(MI)	7	61-61
	CP554D004A20	SPACER		THN9105K	(MI)	5	62-99
	CP554D004A30	SPACER		TFW9105K	(MI)	2	20-60
	CP554D004A30	SPACER		TFW9105K	(MI)	2	62-99
	CP570D017A40	SPRING-DOOR	SUS304WPB ﾌｧｲ1.0	THN9185K		1	10-99
	CP570D023A10	SPRING	MX96-HM T=0.2			1	20-99
	CP570D024A10	SPRING	MX96-HM T=0.2			6	10-69
	CP570D024A10	SPRING	MX96-HM T=0.2			6	70-99
	CP570D025A10	SPRING	MX96-HM T=0.2			1	10-19
	CP570D025A10	SPRING	MX96-HM T=0.2			1	20-69
	CP570D025A10	SPRING	MX96-HM T=0.2			1	70-99
	CP580A041A10	SHIELD-BOTTOM	SECC-C20/20 T=1.0	TFW9105K		1	10-99
	CP580A042A10	SHIELD-POWER	A1100P-H24 T=1.0	TFW9105K		1	10-99
	CP580A043A10	SHIELD-TOP	A1100P-H24 T=0.5	TFW9105K		1	10-99
	CP580A044A10	CASE-VIDEO	A1100P-H24 T=2.0	TFW9105K		1	10-99
	CP590B066A10	RADIATOR-H	A6063S-T5	TFW9105K		1	10-78
	CP590B066A10	RADIATOR-H	A6063S-T5	TFW9105K		1	79-99
	CP590B068A10	RADIATOR-V	A6063S-T5	TFW9105K		1	10-99
	CP590C064A10	RADIATOR-FIN-TR	AL	THZ8105K		1	10-99
	CP590C075B10	RADIATOR-FIN	A6063S-T5	FFY7705K		1	10-99
	CP590C114A10	RADIATOR-HV	A1100P-H24 T2.0	TFW9105K		1	10-99
	CP590C115A10	RADIATOR-HB	A6063S-T5	TFW9105K		1	10-99
	CP590C120A10	RADIATOR-H	A6063S-T5	TFW9105K		1	10-99
	CP590D037A20	RADIATOR-TR	C1100-1/4H T1.0			4	10-99
	CP590D037A20	RADIATOR-TR	C1100-1/4H T1.0			7	10-99
	CP590D042A70	RADIATOR-TR				1	10-99
	CP590D068A20	RADIATOR-TR	C1100-1/4H T1.0			1	10-99
	CP590D080A10	RADIATOR-TR	A6063S-T5	TFG8705K		1	10-99
	CP590D084A10	RADIATOR-VIDEO	A6063S-T5	TFW9105K		1	10-78
	CP590D084A10	RADIATOR-VIDEO	A6063S-T5	TFW9105K		1	79-99
	CP593A076C10	FRAME-CRT		THN9105K		1	10-99
	CP593A094A10	FRAME-BASE	SECC-C20/20 T=1.0	TFW9105K		1	10-99
	CP593A095A10	REAR-PLATE	SECC-C20/20 T=1.0	TFW9105K		1	10-99
	CP593B103A10	SUPPORT-CONNECT	TERNE-SHEET T1.0			1	10-59
	CP593C152A10	HOLDER-SIDE	SECC-10/10 T1.0	THN9105K		1	10-99
	CP593D116B10	HOLDER-TR	SUS301 CSP-H T0.5	FS6605K		1	10-99
	CP593D159A10	SUPPORT-R	SECC-C20/20 T=1.0	TFW9105K		1	10-99
	CP593D172A10	SUPPORT-R	SECC-C20/20 T=1.2	TFW9105K		1	10-99
	CP596C035A10	BRACKET-FBT	SECC-C20/20 T=0.8	TFW9105K		1	10-99
	CP623A011A10	FRAME-SIDE-R	SECC-C20/20 T=0.8	TFW9105K		1	10-99
	CP641A010A20	HOLDER-CRT	ABS			1	10-99

機種コード＝ 2A-19W4- - - 機種名 TFW9105K

NO. 諸元	PART NO. 子部品コード	DESCRIPTION / SPECIFICATION 品名	仕様規格1	規格2	材料証明	QTY 乗数	LOT NO. ロット
	CP641C001E10	PWB-HOLDER	ABS-VW10		(MI)	2	10-99
	CP641C021A10	DHHS-CAP	POLYCARBONATE	FB22AP1	(MI)	1	10-99
	CP641C044A10	LEVER-POWER	ABS	THN9105K	(MI)	1	10-99
	CP650D002A10	SCREW-SEMS	M3X0.5-16			1	10-99
	CP669C001A10	SCREW-SEMS-HEX	4X8 46LA005			1	10-99
	CP669C002A20	SCREW-TB-SEMS	4X20 46LA005			4	10-99
	CP669C008A10	SCREW-TB-SEMS	3X8 46LA005			13	10-99
	CP669C008A10	SCREW-TB-SEMS	3X8 46LA005			24	10-99
	CP669C008A10	SCREW-TB-SEMS	3X8 46LA005			1	10-99
	CP669C008A10	SCREW-TB-SEMS	3X8 46LA005			5	10-99
	CP669C008A10	SCREW-TB-SEMS	3X8 46LA005			4	10-99
	CP669C008A10	SCREW-TB-SEMS	3X8 46LA005			2	10-99
	CP669C008A20	SCREW-TB-SEMS	3X10 46LA005			2	10-69
	CP669C008A20	SCREW-TB-SEMS	3X10 46LA005			2	70-99
	CP669C008A30	SCREW-TB-SEMS	3X8	HL69HP-N		2	10-99
	CP669D016A20	SCREW-TB-BIND-W	3X8 26AA005+BLACK			2	10-99
	CP669D016A20	SCREW-TB-BIND-W	3X8 26AA005+BLACK			7	10-19
	CP669D016A20	SCREW-TB-BIND-W	3X8 26AA005+BLACK			4	20-99
	CP669D016A20	SCREW-TB-BIND-W	3X8 26AA005+BLACK			2	10-99
	CP669D030A60	SCREW-TB-NI	4X16 22AA005			6	10-99
	CP669D033A10	SCREW-TB-SOLDER	3X8 SOLDER	3X8		3	20-99
	CP669D040A10	SCREW-TB-SEMS	3X8			5	10-99
	CP669D041A10	SCREW-HEX	JFS-4S-B1W			2	10-99
	CP669D059A10	SCREW-SEMS	M2.6X0.45-6 46LA005			1	60-99
	CP669D502A20	SCREW-SEMS	M3X0.5-10			6	10-99
	CP669D502A20	SCREW-SEMS	M3X0.5-10			1	10-99
	CP669D502A20	SCREW-SEMS	M3X0.5-10			8	10-99
	CP669D502A20	SCREW-SEMS	M3X0.5-10			2	10-99
	CP670C001A10	SOLN-NUT	M6	THZ8105S		4	10-99
	CP677D001A10	EYELET	BSR TO.2			8	10-99
	CP677D001A20	EYELET	BSR T 0.18			35	10-99
	CP677D001A20	EYELET	BSR T 0.18			42	10-19
	CP677D001A20	EYELET	BSR T 0.18			48	20-99
	CP802C152A10	PACKING-SHEET	THN9105K			1	10-99
	CP803A058A10	CUSHION	FOAMED-P.S	THN9105K		1	10-99
	CP831C001A30	PACKING-BAG	POLYETHYLENE TO.035			1	10-99
	CP850C224A10	LABEL-WARNING	WHITE-PAPER 70KG			1	10-99
	CP850D167A20	LABEL	WHITE-PAPER 70KG			1	10-99
AA001	CP980B200A10	SCHEMATIC-DIAGR				1	10-99
AA001	CP980B202A10	SCHEMATIC-DIAGR				1	10-99
AA001	CP980B202A10	SCHEMATIC-DIAGR				1	10-99
	CP980B227A10	BLOCK-DIAGRAM				1	10-99
	CP980B227A10	BLOCK-DIAGRAM				1	10-99
	CP980B227A10	BLOCK-DIAGRAM				1	10-99
	CP980B227A10	BLOCK-DIAGRAM				1	10-99
	CP980B227A10	BLOCK-DIAGRAM				1	10-99
	CP980B227A10	BLOCK-DIAGRAM				1	10-99
	CT900A202-10A	ASSY-COLOR-DISP				1	10-99
	CT900A203-10A	ASSY-CHASSIS-SE				1	10-99
	CT900A204-10A	ASSY-BEZEL				1	10-99
	CT920A200-10A1-	ASSY-PWB-MAIN				1	10-99
	CT920A200-10A9-	ASSY-PWB-MAIN				1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY

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LOT NO.

機種コード = 2A-19W4- - - 機種名 = TFW9105K

指元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
	CT920A201-10A1-	ASSY-PWB-DISPLA				1	10-99
	CT920A201-10A9-	ASSY-PWB-DISPLA				1	10-99
	CT920A202-10A1-	ASSY-PWB-SET				1	10-99
	CT920A202-10A9-	ASSY-PWB-SET				1	10-99
	CT920A203-10A	ASSY-WIRING				1	10-99
	CT920B325-10A1-	ASSY-PWB-PARTS(				1	10-99
	CT920B325-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920B326-10A1-	ASSY-PWB-PARTS(				1	10-99
	CT920B326-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920B327-10A1-	ASSY-PWB-PARTS				1	10-99
	CT920B327-10A2-	ASSY-PWB-PARTS				1	10-99
	CT920C133-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920C134-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920C135-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920C136-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920C137-10A2-	ASSY-PWB-PARTS(				1	10-99
	CT920C139-10A2-	ASSY-PWB-PARTS(				1	60-60
	CT920C139-10A2-	ASSY-PWB-PARTS(				1	62-99
	CT920C139-10A2-	ASSY-PWB-PARTS(				1	10-59
	CT920C139-10A2-	ASSY-PWB-PARTS(				1	61-61
	CT920C148-10A9-	ASSY-PWB-CANCEL				1	30-99
	CT920C155-10A1-	ASSY-PWB-RELAY				1	79-84
	CT920C155-10A9-	ASSY-PWB-RELAY				1	79-84
	CT940A079-10A	ASSY-CRT-UNIT				1	10-99
	CT940A080-10A	ASSY-MAIN-UNIT				1	10-99
	CT940A081-10A	ASSY-POWER-UNIT				1	10-99
	CT940A082-10A	ASSY-VIDEO-UNIT				1	10-99
	CT940B093-10A	ASSY-DOOR				1	10-99
	CT980C276-01A1-	PARTS-LIST-MAIN				1	10-99
	CT980C276-01A2-	PARTS-LIST-MAIN				1	10-99
	CT980C277-01A1-	PARTS-LIST-SET				1	10-99
	CT980C277-01A2-	PARTS-LIST-SET				1	10-99
	CT980C294-01A1-	PARTS-LIST-CONT				1	10-99
	CT980C294-01A2-	PARTS-LIST-CONT				1	10-99
	CT980C295-01A1-	PARTS-LIST-VIDE				1	10-99
	CT980C295-01A2-	PARTS-LIST-VIDE				1	10-99
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	20-60
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	62-63
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	64-65
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	66-67
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	68-99
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	20-60
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	61-61
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	62-63
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	64-65
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	66-67
	QX073W619A00	VINYL-TAPE-UL	#303		¥	〃	68-99
	QX077W721A20	SILICON-COMPOUD	G746			〃	10-99
	QX077W721A20	SILICON-COMPOUD	G746			〃	10-99
	QX081X319B70	SILICONE-GUM	KE40RTV 150Gｲﾘ ｸﾞﾚｲ			〃	10-99
	QX081X319B70	SILICONE-GUM	KE40RTV 150Gｲﾘ ｸﾞﾚｲ			〃	10-99
	QX081X319B70	SILICONE-GUM	KE40RTV 150Gｲﾘ ｸﾞﾚｲ			〃	20-20

NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード＝ 2A-19W4- - - 機種名 TFW9105K

諸元	子部品コード	品 名	仕様規格 1	規格 2	材料証明	乗数	ロット
	QX081X319B70	SILICONE-GUM	KE40RTV 150Gｲﾘ ｸﾞﾚｲ			#	40-40
	QX081X319B70	SILICONE-GUM	KE40RTV 150Gｲﾘ ｸﾞﾚｲ			#	50-50
	QX081X319B70	SILICONE-GUM	KE40RTV 150Gｲﾘ ｸﾞﾚｲ			#	30-99
	QX096Z466A90	CARTON-TAPE	75X500M			#	10-99
	QX096Z466A90	CARTON-TAPE	75X500M			#	10-99
R 6E1	QX101P101E31	R-COMPOSITION	1/2W 100-K			1	10-99
R 3B2	QX103P141C11	R-CARBON	1/2W 68-J	680 RD-H		1	10-99
R 3G2	QX103P141C11	R-CARBON	1/2W 68-J	680 RD-H		1	10-99
R 3R2	QX103P141C11	R-CARBON	1/2W 68-J	680 RD-H		1	10-99
R 9A1	QX103P141C41	R-CARBON	1/2W 120-J	121 RD-H		1	10-50
R 9A1	QX103P141C41	R-CARBON	1/2W 120-J	121 RD-H		1	51-99
R 982	QX103P141C71	R-CARBON	1/2W 220-J	221 RD-H		1	10-99
R 993	QX103P141C71	R-CARBON	1/2W 220-J	221 RD-H		1	10-99
R 970	QX103P141C71	R-CARBON	1/2W 220-J	221 RD-H		1	10-99
R 393	QX103P141C71	R-CARBON	1/2W 220-J	221 RD-H		1	10-99
R 403	QX103P141C81	R-CARBON	1/2W 270-J	271 RD-H		1	10-19
R 403	QX103P141C81	R-CARBON	1/2W 270-J	271 RD-H		1	21-29
R 403	QX103P141C81	R-CARBON	1/2W 270-J	271 RD-H		1	31-39
R 403	QX103P141C81	R-CARBON	1/2W 270-J	271 RD-H		1	41-49
R 403	QX103P141C91	R-CARBON	1/2W 330-J	331 RD-H		1	20-20
R 403	QX103P141C91	R-CARBON	1/2W 330-J	331 RD-H		1	30-30
R 403	QX103P141C91	R-CARBON	1/2W 330-J	331 RD-H		1	40-40
R 403	QX103P141C91	R-CARBON	1/2W 330-J	331 RD-H		1	50-99
R 6E2	QX103P143C11	R-CARBON	1/2W 3.3K-J	332 RD-H		1	10-99
R 6F0	QX103P143C31	R-CARBON	1/2W 4.7K-J 472 RD-H			1	10-19
R 526	QX103P144C51	R-CARBON	1/2W 47K-J 473 RD-H			1	10-99
R 529	QX103P144C51	R-CARBON	1/2W 47K-J 473 RD-H			1	10-99
R 532	QX103P144C51	R-CARBON	1/2W 47K-J 473 RD-H			1	10-99
R 535	QX103P144C51	R-CARBON	1/2W 47K-J 473 RD-H			1	10-99
R 538	QX103P144C51	R-CARBON	1/2W 47K-J 473 RD-H			1	10-99
R 541	QX103P144C51	R-CARBON	1/2W 47K-J 473 RD-H			1	10-99
R 919	QX103P144C61	R-CARBON	1/2W 56K-J	563 RD-H		1	10-99
R 920	QX103P144C61	R-CARBON	1/2W 56K-J	563 RD-H		1	10-99
R 548	QX103P144C91	R-CARBON	1/2W 100K-J	104 RD-H		1	10-99
R 931	QX103P144C91	R-CARBON	1/2W 100K-J	104 RD-H		1	10-99
R 932	QX103P144C91	R-CARBON	1/2W 100K-J	104 RD-H		1	10-99
R 6G1	QX103P145C01	R-CARBON	1/2W 120K-J	124 RD-H		1	10-19
R 6G2	QX103P145C11	R-CARBON	1/2W 150K-J	154 RD-H		1	10-19
R 6G3	QX103P145C11	R-CARBON	1/2W 150K-J	154 RD-H		1	10-19
R 6G1	QX103P145C21	R-CARBON	1/2W 180K-J 184RD-H			1	20-99
R 6G2	QX103P145C21	R-CARBON	1/2W 180K-J 184RD-H			1	20-99
R 6G3	QX103P145C21	R-CARBON	1/2W 180K-J 184RD-H			1	20-99
R 926	QX103P145C21	R-CARBON	1/2W 180K-J 184RD-H			1	10-99
R 927	QX103P145C21	R-CARBON	1/2W 180K-J 184RD-H			1	10-99
R 6F4	QX103P145C31	R-CARBON	1/2W 220K-J	224 RD-H		1	10-99
R 6F5	QX103P145C31	R-CARBON	1/2W 220K-J	224 RD-H		1	10-99
R 6F6	QX103P145C31	R-CARBON	1/2W 220K-J	224 RD-H		1	10-99
R 6B4	QX103P145C51	R-CARBON	1/2W 330K-J			1	10-19
R 6A9	QX103P145C81	R-CARBON	1/2W 560K-J	564RD-H		1	10-19
R 6B1	QX103P145C81	R-CARBON	1/2W 560K-J	564RD-H		1	10-19
R 6B2	QX103P145C81	R-CARBON	1/2W 560K-J	564RD-H		1	10-19
R 6B3	QX103P145C81	R-CARBON	1/2W 560K-J	564RD-H		1	10-19

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY LOT NO.

機種コード = 2A-19W4- 機種名 = TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 5B4	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	10-50
R 5B4	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	51-99
R 5B6	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	10-50
R 5B6	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	51-99
R 793	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	10-50
R 793	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	51-99
R 794	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	10-50
R 794	QX103P148B41	R-CARBON	1/2W 2.2-J	2R2 RD-H		1	51-99
R 942	QX103P370A11	R-FUSE	1/4W 10-J	100 RNF-		1	10-99
R 6E9	QX103P392A51	R-FUSE	1/2W 1.0K-J 102 RNF-			1	10-19
R 5B8	QX103P393A71	R-FUSE	1/2W 10K-J			1	10-99
R 550	QX103P397A21	R-FUSE	1/2W 0.22-J			1	10-99
R 502	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	10-99
R 508	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	10-99
R 543	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	10-99
R 549	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	10-99
R 6F9	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	10-99
R 915	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	20-20
R 915	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	30-30
R 915	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	40-40
R 915	QX103P410B11	R-CARBON	1/4W 10-J	100 RD-H		1	50-99
R 935	QX103P410B61	R-CARBON	1/4W 27-J	270 RD-H		1	10-99
R 400	QX103P410B91	R-CARBON	1/4W 47-J	470 RD-H		1	10-19
R 906	QX103P411B01	R-CARBON	1/4W 56-J	560 RD-H		1	10-99
R 5A3	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 5F1	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	20-99
R 5F5	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 5F7	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 516	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 518	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 525	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 528	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 531	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 534	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 537	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 540	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	10-99
R 400	QX103P411B31	R-CARBON	1/4W 100-J	101 RD-H		1	20-99
R 989	QX103P411B51	R-CARBON	1/4W 150-J	151 RD-H		1	10-99
R 5A8	QX103P411B71	R-CARBON	1/4W 220-J	221 RD-H		1	10-99
R 503	QX103P411B71	R-CARBON	1/4W 220-J	221 RD-H		1	10-99
R 6F1	QX103P411B71	R-CARBON	1/4W 220-J	221 RD-H		1	10-99
R 6G6	QX103P411B91	R-CARBON	1/4W 330-J	331 RD-H		1	10-99
R 936	QX103P412B01	R-CARBON	1/4W 390-J	391 RD-H		1	10-99
R 443	QX103P412B11	R-CARBON	1/4W 470-J	471 RD-H		1	10-19
R 443	QX103P412B11	R-CARBON	1/4W 470-J	471 RD-H		1	21-29
R 443	QX103P412B11	R-CARBON	1/4W 470-J	471 RD-H		1	31-39
R 443	QX103P412B11	R-CARBON	1/4W 470-J	471 RD-H		1	41-49
R 6A4	QX103P412B21	R-CARBON	1/4W 560-J	561 RD-H		1	10-19
R 903	QX103P412B21	R-CARBON	1/4W 560-J	561 RD-H		1	10-99
R 937	QX103P412B21	R-CARBON	1/4W 560-J	561 RD-H		1	10-99
R 5A4	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 5A5	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY 42 LOT NO.

機種コード = 2A-19W4- - - 機種名 = TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 5F6	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 554	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 904	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 921	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 958	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 981	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 985	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 992	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 990	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 971	QX103P412B51	R-CARBON	1/4W 1K-J	102 RD-H		1	10-99
R 912	QX103P412B71	R-CARBON	1/4W 1.5K-J	152 RD-H		1	20-20
R 912	QX103P412B71	R-CARBON	1/4W 1.5K-J	152 RD-H		1	30-30
R 912	QX103P412B71	R-CARBON	1/4W 1.5K-J	152 RD-H		1	40-40
R 912	QX103P412B71	R-CARBON	1/4W 1.5K-J	152 RD-H		1	50-99
R 6A1	QX103P412B81	R-CARBON	1/4W 1.8K-J	182 RD-H		1	10-19
R 443	QX103P412B81	R-CARBON	1/4W 1.8K-J	182 RD-H		1	20-20
R 443	QX103P412B81	R-CARBON	1/4W 1.8K-J	182 RD-H		1	30-30
R 443	QX103P412B81	R-CARBON	1/4W 1.8K-J	182 RD-H		1	40-40
R 443	QX103P412B81	R-CARBON	1/4W 1.8K-J	182 RD-H		1	50-99
R 5A6	QX103P412B91	R-CARBON	1/4W 2.2K-J	222 RD-H		1	10-99
R 956	QX103P413B01	R-CARBON	1/4W 2.7K-J	272 RD-H		1	10-99
R 607	QX103P413B11	R-CARBON	1/4W 3.3K-J	332 RD-H		1	10-99
R 988	QX103P413B11	R-CARBON	1/4W 3.3K-J	332 RD-H		1	10-99
R 5F3	QX103P413B21	R-CARBON	1/4W 3.9K-J	392 RD-H		1	20-99
R 501	QX103P413B21	R-CARBON	1/4W 3.9K-J	392 RD-H		1	10-19
R 515	QX103P413B31	R-CARBON	1/4W 4.7K-J	472 RD-H		1	10-99
R 553	QX103P413B31	R-CARBON	1/4W 4.7K-J	472 RD-H		1	10-99
R 6A2	QX103P413B51	R-CARBON	1/4W 6.8K-J	682 RD-H		1	10-19
R 618	QX103P413B61	R-CARBON	1/4W 8.2K-J	822 RD-H		1	10-99
R 399	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	20-59
R 5B1	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 5F3	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-19
R 501	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	20-99
R 507	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 520	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 522	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 524	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 527	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 530	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 533	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 536	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 539	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 542	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 6A3	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-19
R 6A5	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-19
R 6G4	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	20-99
R 6G7	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-19
R 606	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 914	QX103P413B71	R-CARBON	1/4W 10K-J	103 RD-H		1	10-99
R 910	QX103P414B11	R-CARBON	1/4W 22K-J	223 RD-H		1	10-99
R 521	QX103P414B51	R-CARBON	1/4W 47K-J	473 RD-H		1	10-99
R 523	QX103P414B51	R-CARBON	1/4W 47K-J	473 RD-H		1	10-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION Q'TY

43

LOT NO.

機種コード＝ 2A-19W4- - - 機種名＝ TFW9105K

諸元	子部品コード	品名	仕様規格 1	規格 2	材料証明	乗数	ロット
R 6A6	QX103P414B71	R-CARBON	1/4W 68K-J	683 RD-H		1	10-19
R 946	QX103P414B81	R-CARBON	1/4W 82K-J	823 RD-H		1	10-99
R 312	QX103P414B81	R-CARBON	1/4W 82K-J	823 RD-H		1	10-99
R 316	QX103P414B81	R-CARBON	1/4W 82K-J	823 RD-H		1	10-99
R 320	QX103P414B81	R-CARBON	1/4W 82K-J	823 RD-H		1	10-99
	QX103P414B91	R-CARBON	1/4W 100K-J	104 RD-H		1	30-99
R 5B3	QX103P415B31	R-CARBON	1/4W 220K-J	224 RD-H		1	10-99
R 309	QX103P415B31	R-CARBON	1/4W 220K-J	224 RD-H		1	10-99
R 310	QX103P415B31	R-CARBON	1/4W 220K-J	224 RD-H		1	10-99
R 311	QX103P415B31	R-CARBON	1/4W 220K-J	224 RD-H		1	10-99
R 5B5	QX103P415B51	R-CARBON	1/4W 330K-J 334 RD-H			1	10-99
R 517	QX103P415B71	R-CARBON	1/4W 470K-J	474 RD-H		1	10-99
R 519	QX103P415B71	R-CARBON	1/4W 470K-J	474 RD-H		1	10-99
R 6A0	QX103P416B01	R-CARBON	1/4W 820K-J 824RD-H			1	10-19
R 6G5	QX103P416B01	R-CARBON	1/4W 820K-J 824RD-H			1	10-99
R 933	QX103P416B11	R-CARBON	1/4W 1M-J 105 RD-H			1	10-99
R 934	QX103P416B11	R-CARBON	1/4W 1M-J 105 RD-H			1	10-99
R 6G0	QX103P418B61	R-CARBON	1/4W 3.3-J	3R3 RD-H		1	10-99
R 915	QX103P418B71	R-CARBON	1/4W 3.9-J 3R9 RD-H			1	10-19
R 915	QX103P418B71	R-CARBON	1/4W 3.9-J 3R9 RD-H			1	21-29
R 915	QX103P418B71	R-CARBON	1/4W 3.9-J 3R9 RD-H			1	31-39
R 915	QX103P418B71	R-CARBON	1/4W 3.9-J 3R9 RD-H			1	41-49
R 911	QX103P418B81	R-CARBON	1/4W 4.7-J 4R7 RD-H			1	10-99
R 941	QX103P418B81	R-CARBON	1/4W 4.7-J 4R7 RD-H			1	10-99
R 392	QX103P419B51	R-CARBON	1/4W 0OHM			1	10-59
R 605	QX109P052A41	R-FUSE	1/4W 1.2-J	1R2 RNF-		1	10-99
SW100	QX129P007B90	VR-CHANNEL-PLES	BAND-SW	1-2	(MI)	1	10-99
C 5F1	QX142P011B31	C-CERAMIC	B500V 1000P-K	102 S0		1	10-19
C 514	QX142P011B31	C-CERAMIC	B500V 1000P-K	102 S0		1	10-99
C 515	QX142P011B31	C-CERAMIC	B500V 1000P-K	102 S0		1	10-99
C 5F2	QX142P012B50	C-CERAMIC	B500V 0.01M-K	103 S0		1	10-99
C 6R5	QX142P020B51	C-CERAMIC	B50V 470P-K	471 S0		1	10-99
C 6R6	QX142P020B51	C-CERAMIC	B50V 470P-K	471 S0		1	20-99
C 527	QX142P020B91	C-CERAMIC	B50V 1000P-K	102 S0		1	10-99
C 528	QX142P020B91	C-CERAMIC	B50V 1000P-K	102 S0		1	10-99
C 529	QX142P020B91	C-CERAMIC	B50V 1000P-K	102 S0		1	10-99
C 530	QX142P020B91	C-CERAMIC	B50V 1000P-K	102 S0		1	10-99
C 531	QX142P020B91	C-CERAMIC	B50V 1000P-K	102 S0		1	10-99
C 532	QX142P020B91	C-CERAMIC	B50V 1000P-K	102 S0		1	10-99
C 516	QX142P021B31	C-CERAMIC	BB50V 2200P-K			1	10-99
C 517	QX142P021B31	C-CERAMIC	BB50V 2200P-K			1	10-99
C 970	QX142P021B51	C-CERAMIC	B50V 3300P-K	332 S0		1	10-99
C 743	QX142P021B71	C-CERAMIC	B50V 4700P-K	472 S0		1	10-99
C 746	QX142P021B71	C-CERAMIC	B50V 4700P-K	472 S0		1	10-99
C 391	QX142P021B71	C-CERAMIC	B50V 4700P-K	472 S0		1	10-99
C 5F3	QX155P112A51	C-CERAMIC	SL500V 39P-J	390 L0		1	10-19
C 5F4	QX155P112A51	C-CERAMIC	SL500V 39P-J	390 L0		1	10-99
C 5F1	QX155P113A31	C-CERAMIC	SL500V 82P-J	820 L0		1	20-99
C 308	QX155P117A31	C-CERAMIC	SL500V 180P-J	181 L0		1	10-99
C 309	QX155P117A31	C-CERAMIC	SL500V 180P-J	181 L0		1	10-99
C 310	QX155P117A31	C-CERAMIC	SL500V 180P-J	181 L0		1	10-99
C 403	QX155P311B21	C-CERAMIC	SL50V 10P-D			1	10-99

NO. PART NO. DESCRIPTION / SPECIFICATION QTY

LOT NO.

機種コード＝ 2A-19W4- - - 機種名 - TFW9105K

指元	子部品コード	品名	仕様規格1	規格2	材料証明	乗数	ロット
C 442	QX155P311B21	C-CERAMIC	SL50V 10P-D			1	10-99
C 6A4	QX155P313B01	C-CERAMIC	SL50V 56P-J	560 SO		1	10-19
C 1A1	QX155P313B61	C-CERAMIC	SL50V 100P-J	101 SO		1	20-20
C 1A1	QX155P313B61	C-CERAMIC	SL50V 100P-J	101 SO		1	30-30
C 1A1	QX155P313B61	C-CERAMIC	SL50V 100P-J	101 SO		1	40-40
C 1A1	QX155P313B61	C-CERAMIC	SL50V 100P-J	101 SO		1	50-59
C 1A1	QX155P313B61	C-CERAMIC	SL50V 100P-J	101 SO		1	60-99
C 5F3	QX155P315B21	C-CERAMIC	SL50V 470P-J			1	20-99
C 422	QX189D028C81	C-TANTALUM	25V 3.3M-K	3R3 SO		1	10-99
C 903	QX189P027B71	C-CERAMIC-AC	F VA1 4700P-M	472SO		1	10-99
C 904	QX189P027B71	C-CERAMIC-AC	F VA1 4700P-M	472SO		1	10-99
C 917	QX189P027B71	C-CERAMIC-AC	F VA1 4700P-M	472SO		1	10-99
C 918	QX189P027B71	C-CERAMIC-AC	F VA1 4700P-M	472SO		1	10-99
C 945	QX189P027B71	C-CERAMIC-AC	F VA1 4700P-M	472SO		1	10-99
C 946	QX189P027B71	C-CERAMIC-AC	F VA1 4700P-M	472SO		1	10-99
C 905	QX189P067C31	C-CERAMIC-AC	F VA1 3300P-M	332 LO		1	10-99
C 906	QX189P067C31	C-CERAMIC-AC	F VA1 3300P-M	332 LO		1	10-99
	QX224D197A10	BUSH				1	10-99
	QX224D197A10	BUSH				7	10-99
	QX224D197A10	BUSH				2	10-99
Q 902	QX260C416A31	TRANSISTOR	2SC2274-F FORMING			1	10-99
Q 506	QX260P422A11	TRANSISTOR	2SC2482			1	10-99
Q 507	QX260P422A11	TRANSISTOR	2SC2482			1	10-99
Q 5A1	QX260P425A40	TRANSISTOR	2SC2688-M.N			1	10-99
D 5P1	QX264P045A81	DIODE	1S2076A/1S2471			1	79-84
D 5A1	QX264P045A81	DIODE	1S2076A/1S2471			1	10-99
D 5F2	QX264P045A81	DIODE	1S2076A/1S2471			1	10-99
D 6A1	QX264P045A81	DIODE	1S2076A/1S2471			1	10-19
D 6A2	QX264P045A81	DIODE	1S2076A/1S2471			1	10-19
D 6E4	QX264P045A81	DIODE	1S2076A/1S2471			1	10-99
D 6E5	QX264P045A81	DIODE	1S2076A/1S2471			1	10-99
D 6E6	QX264P045A81	DIODE	1S2076A/1S2471			1	10-99
D 906	QX264P045A81	DIODE	1S2076A/1S2471			1	10-99
D 5F3	QX264P367A11	DIODE	1SS83			1	10-99
D 5F4	QX264P367A11	DIODE	1SS83			1	10-99
	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			76	10-99
	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			58	10-99
	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			2	10-99
R 916	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			1	20-20
R 916	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			1	30-30
R 916	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			1	40-40
R 916	QX330H509Z91	SO-COPPER-WIRE	030N001 0.6			1	50-99
J 501	QX452D109A10	CONNECTOR	B9(10)B-XH-A			1	10-99
J 701	QX452D109A10	CONNECTOR	B9(10)B-XH-A			1	10-99
JTC03	QX452D109A20	CONNECTOR	B2B-XH-AM			1	10-59
JTC02	QX452D109A20	CONNECTOR	B2B-XH-AM			1	60-99
J 304	QX452D109A20	CONNECTOR	B2B-XH-AM			1	10-99
J 5P3	QX452D109A30	CONNECTOR	B3B-XH-AM			1	79-84
J 510	QX452D109A30	CONNECTOR	B3B-XH-AM			1	10-19
J 301	QX452D109A30	CONNECTOR	B3B-XH-AM			1	20-99
J 302	QX452D109A30	CONNECTOR	B3B-XH-AM			1	20-99
J 303	QX452D109A30	CONNECTOR	B3B-XH-AM			1	20-99

ALL PARTS LIST

SYMBOL NO. PART NO. DESCRIPTION / SPECIFICATION QTY

45

LOT NO.

機種コード＝ 2A-19W4- - -　　機種名＝ TFW9105K

諸元	子部品コード	品　名	仕様規格 1	規格 2	材料証明	乗数	ロット
J 503	QX452D109A40	CONNECTOR	B4B-XH-AM			1	10-99
J 502	QX452D109A90	CONNECTOR	B8(9)B-XH-A			1	10-99
J 5P1	QX452D130A20	CONNECTOR-S	2P		(MI)	1	79-84
J 508	QX452D130A20	CONNECTOR-S	2P		(MI)	1	10-69
J 508	QX452D130A20	CONNECTOR-S	2P		(MI)	1	70-99
J 516	QX452D130A30	CONNECTOR-S	3P		(MI)	1	10-99
J 507	QX452D130A60	CONNECTOR-S	6P		(MI)	1	10-99
J 1F1	QX452D130A60	CONNECTOR-S	6P		(MI)	1	10-99
	QX540D036B10	LEAD-CLAMPER	*		(MI)	2	10-19
	QX540D036B10	LEAD-CLAMPER	*		(MI)	1	20-99
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	1	20-55
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	2	56-60
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	2	62-63
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	1	64-65
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	2	66-67
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	1	68-69
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	2	70-84
	QX540D085B10	LEAD-CLAMPER	NYLON-6 CM1017		(MI)	1	85-99
	QX669D171A30	SCREW-SEMS	M3X0.5-12			1	10-69
	QX669D171A30	SCREW-SEMS	M3X0.5-12			1	70-99
	QX669D220A10	SCREW-TB	3X6 46LA005			10	10-99
	QX669D220A20	SCREW-TB	* 3X8			4	10-19
	QX669D220A20	SCREW-TB	* 3X8			5	20-60
	QX669D220A20	SCREW-TB	* 3X8			4	61-61
	QX669D220A20	SCREW-TB	* 3X8			5	62-99
	QX669D220A40	SCREW-TB	3X12 46LA005			7	10-99
	QX669D220A40	SCREW-TB	3X12 46LA005			2	10-99
	QX669D220A60	SCREW-TB	3X16 46LA005			1	10-99
	QX669D220A70	SCREW-TB	3X20 46LA005			1	20-99
	QX669D221A40	SCREW-TB				1	10-99
	QX669D221A40	SCREW-TB				1	10-99
R 901	RX101P224D31	R-COMP	RC 1/2GF 220K-J			1	10-99
C 507	RX172P081B80	C-PLASTIC-PP	200V 0.033M-J			1	10-50
C 507	RX172P081B80	C-PLASTIC-PP	200V 0.033M-J			1	51-99
IC5A3	RX277P650A10	IC	TL431CLPB			1	10-99
IC603	RX277P650A10	IC	TL431CLPB			1	10-99
IC951	RX277P650A10	IC	TL431CLPB			1	10-99
IC982	RX277P650A10	IC	TL431CLPB			1	10-99
J 512	RX452D549A30	PIN-ASSY	TS-80P-03-V1			1	10-99
	RX537D512A20	CORD-KEEP	K-104GS			1	20-99
	RX539D632A10	SPACER	66NYLON			2	10-99
	RX539D647A10	BUSH				2	10-99
	RX669D171A20	SCREW-SEMS-W	M3X0.5-8			5	10-99
	RX669D171A30	SCREW-SEMS	M3X0.5-12			1	10-99